



Closing the Gaps by 2015 *An Update on Progress Made*

Deputy Commissioner David Gardner
November 8, 2010

Trends in Texas Higher Education

- A growing **unskilled, under-educated population** that cannot meet the demands of a technology-based workplace.
- Average **household income** in Texas is **projected to decline by \$5,000** in constant dollars by 2040 (total annual drop of \$63.5 billion).

Source: Texas State Data Center

By 2015, Close the Gaps in:

- ✓ **Participation**
- ✓ **Success**
- ✓ **Excellence**
- ✓ **Research**

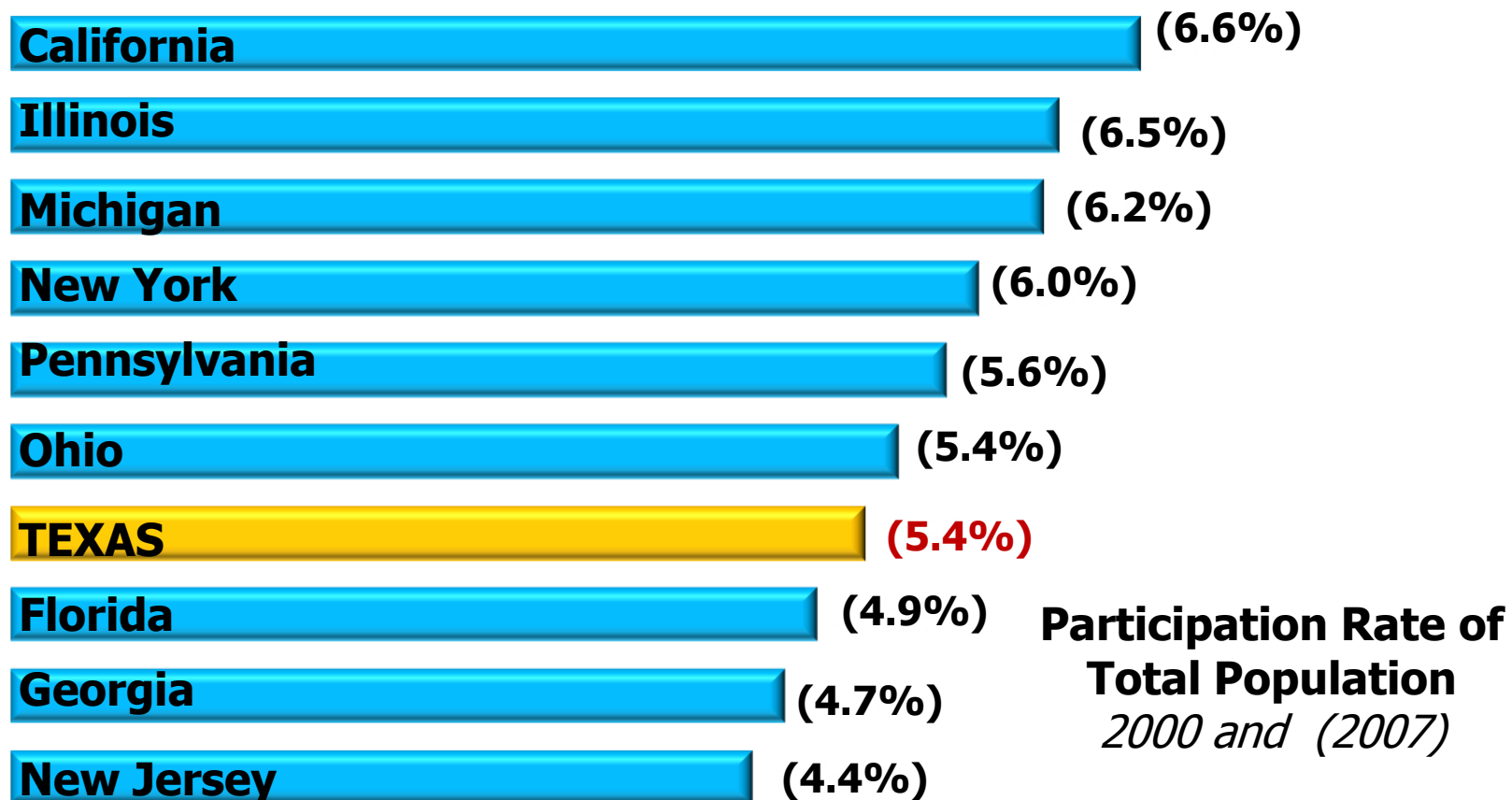
Participation

By 2015, increase enrollments by
630,000 more students.

2010 preliminary progress report on **Participation**

Participation Target	Progress Toward 2010 TARGET
Statewide participation	Well above target
African American participation	Well above target
Hispanic participation	Well below target
White participation	Well above target

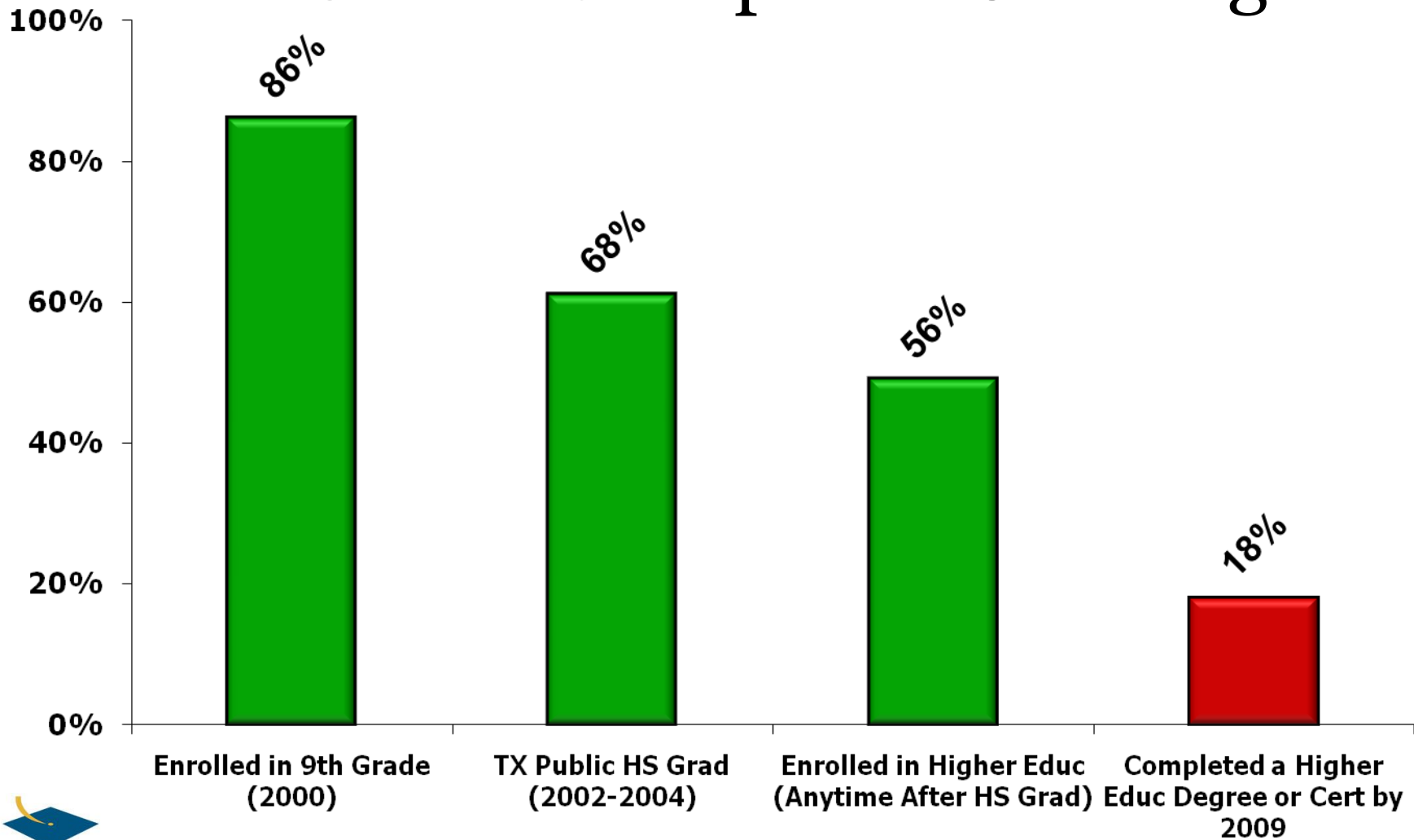
Texas' Participation rate has improved but **remains lower than other states**



Source: U.S.DOE, IPEDS, and Census Bureau

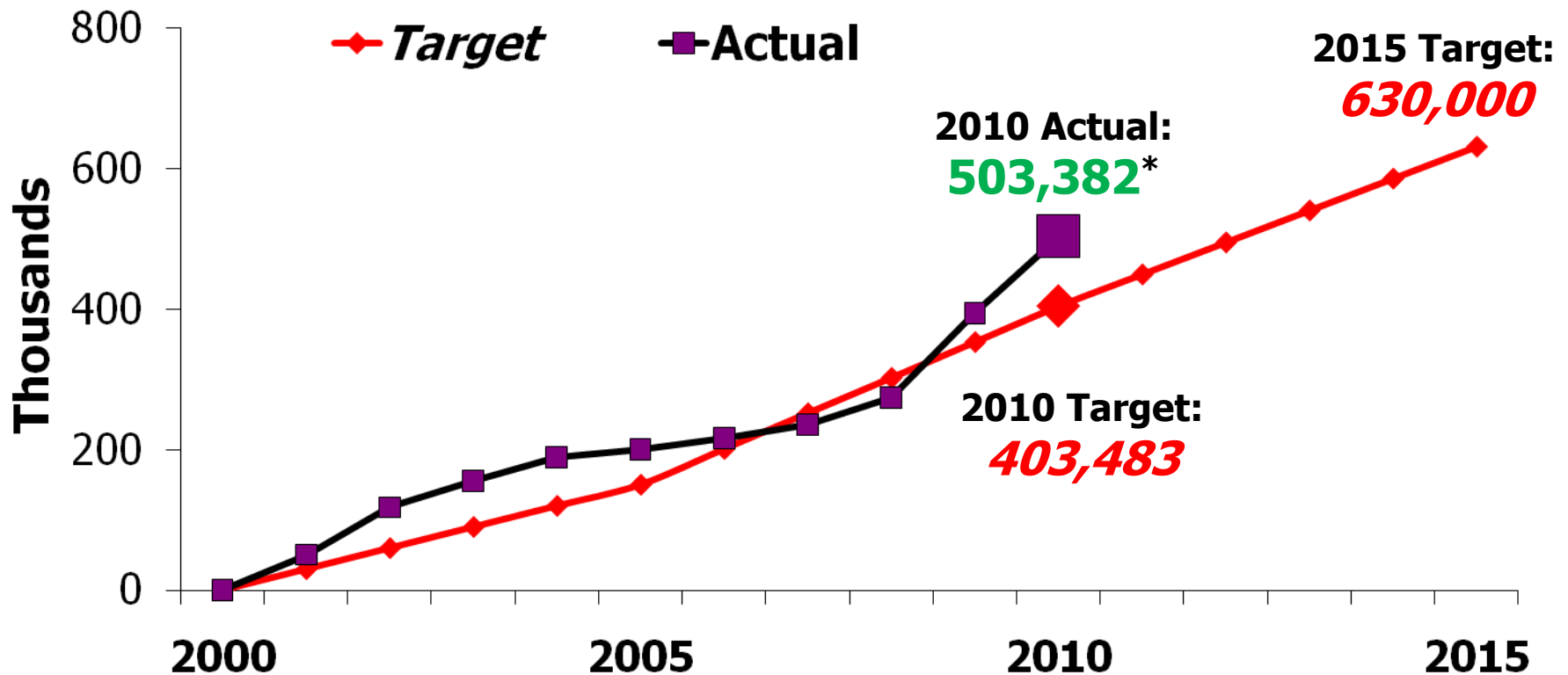


The Statewide Pipeline Challenge



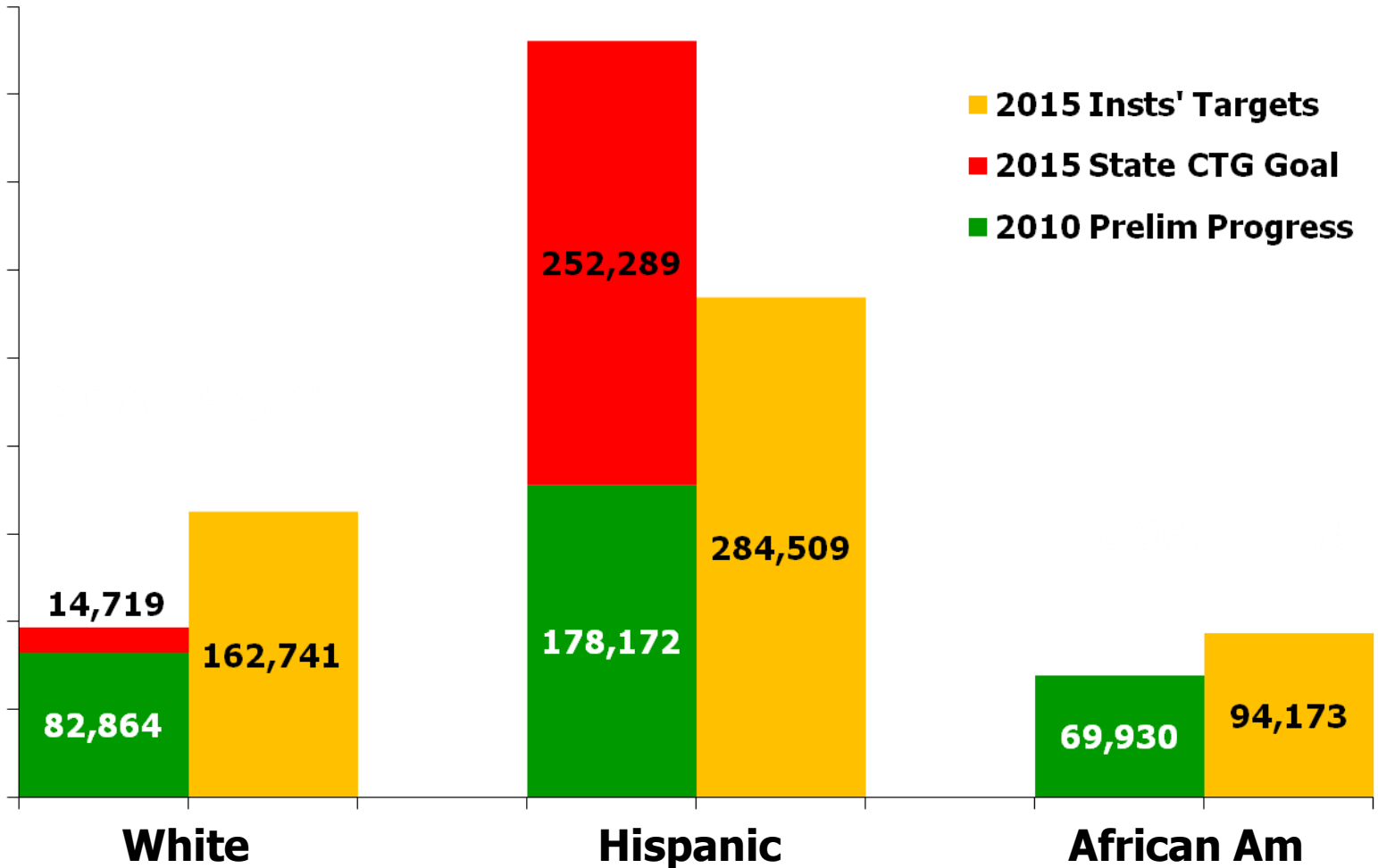
Source: Texas Higher Education Coordinating Board, 7th Grade Cohort FY 1998

Participation has increased by **more than 500,000 students**



* 2010 enrollment data is preliminary

Texas **must accelerate progress** on Hispanic enrollment to meet 2015 goals



Note: Public Institutions only.

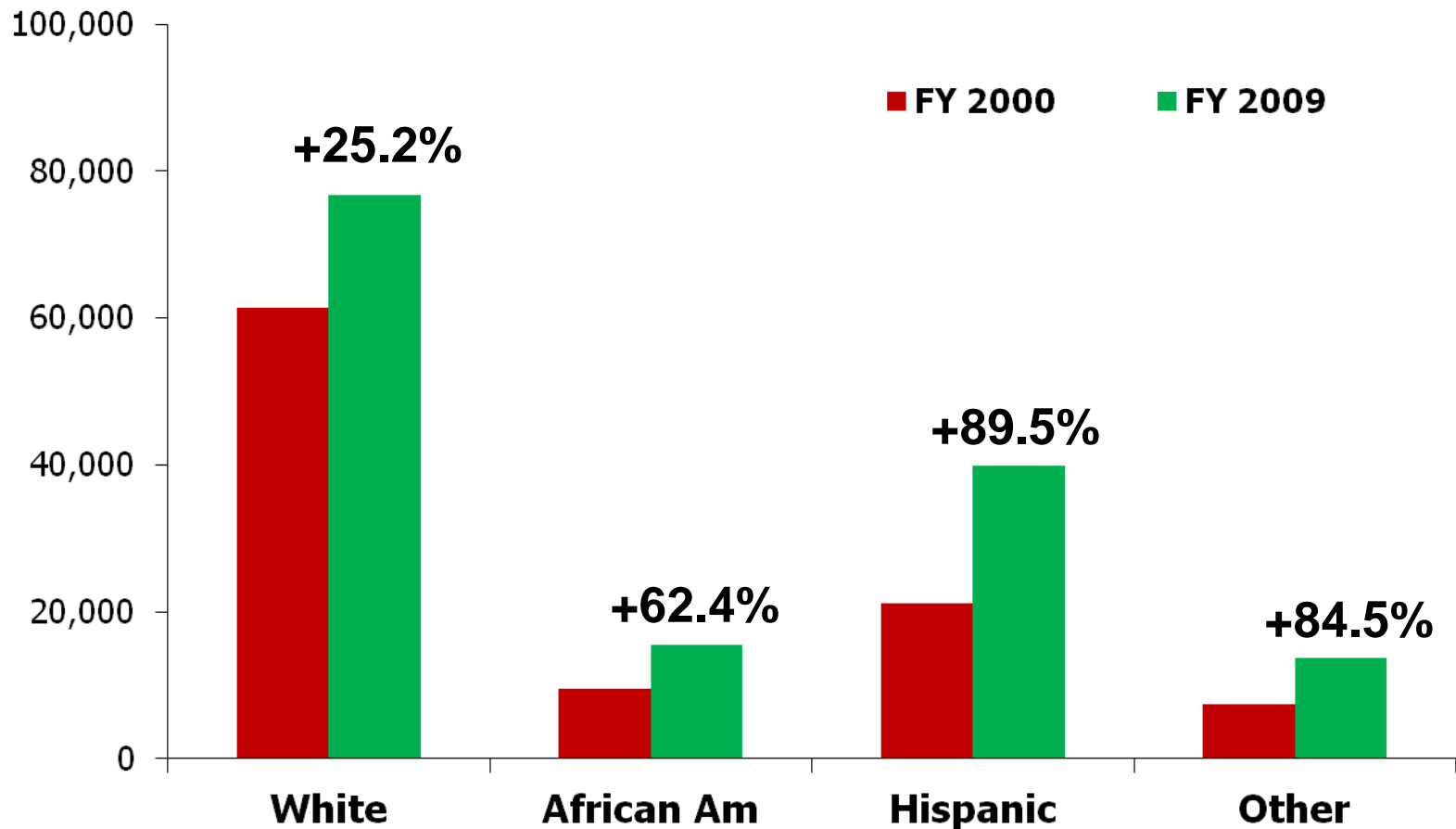
Success

By 2015, award **210,000**
undergraduate degrees, certificates
and other identifiable student
successes from high quality programs.

2010 preliminary progress report on **Success**

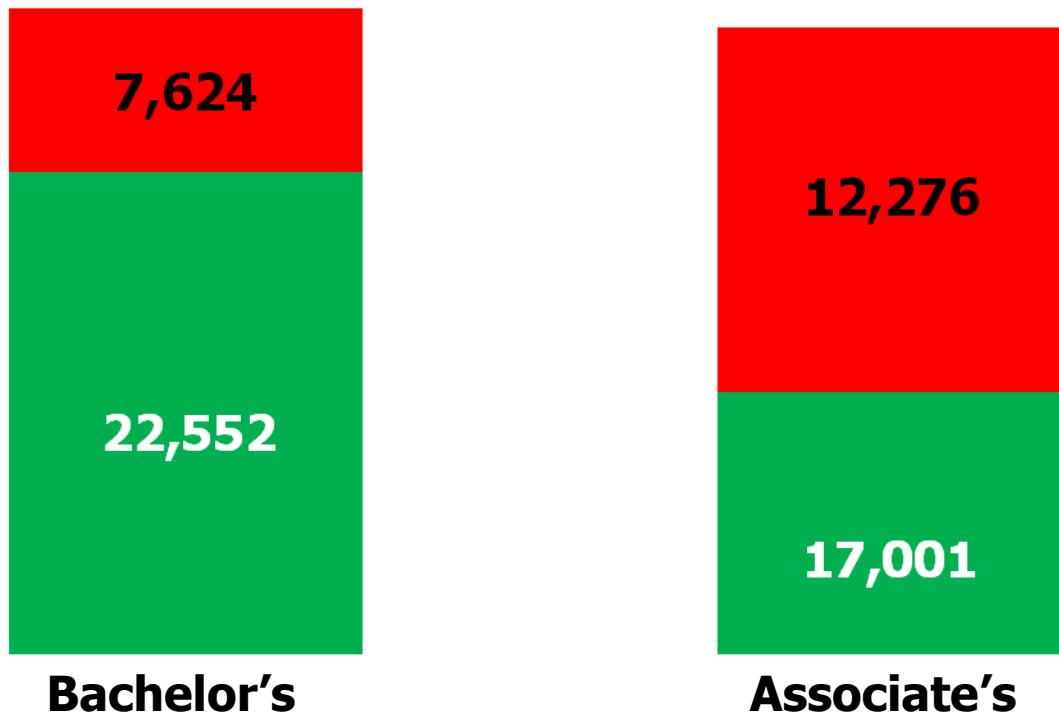
Success Target	Progress Toward 2010 TARGET
Statewide certificates, associate degrees, and bachelor degrees	On target
African American awards	Somewhat below target
Hispanic awards	Somewhat below target
Technology awards	Well below target
Allied health and nursing awards	Somewhat above target
Teacher certifications	Well below target

Underrepresented groups have experienced the **greatest percent increase** in undergraduate awards

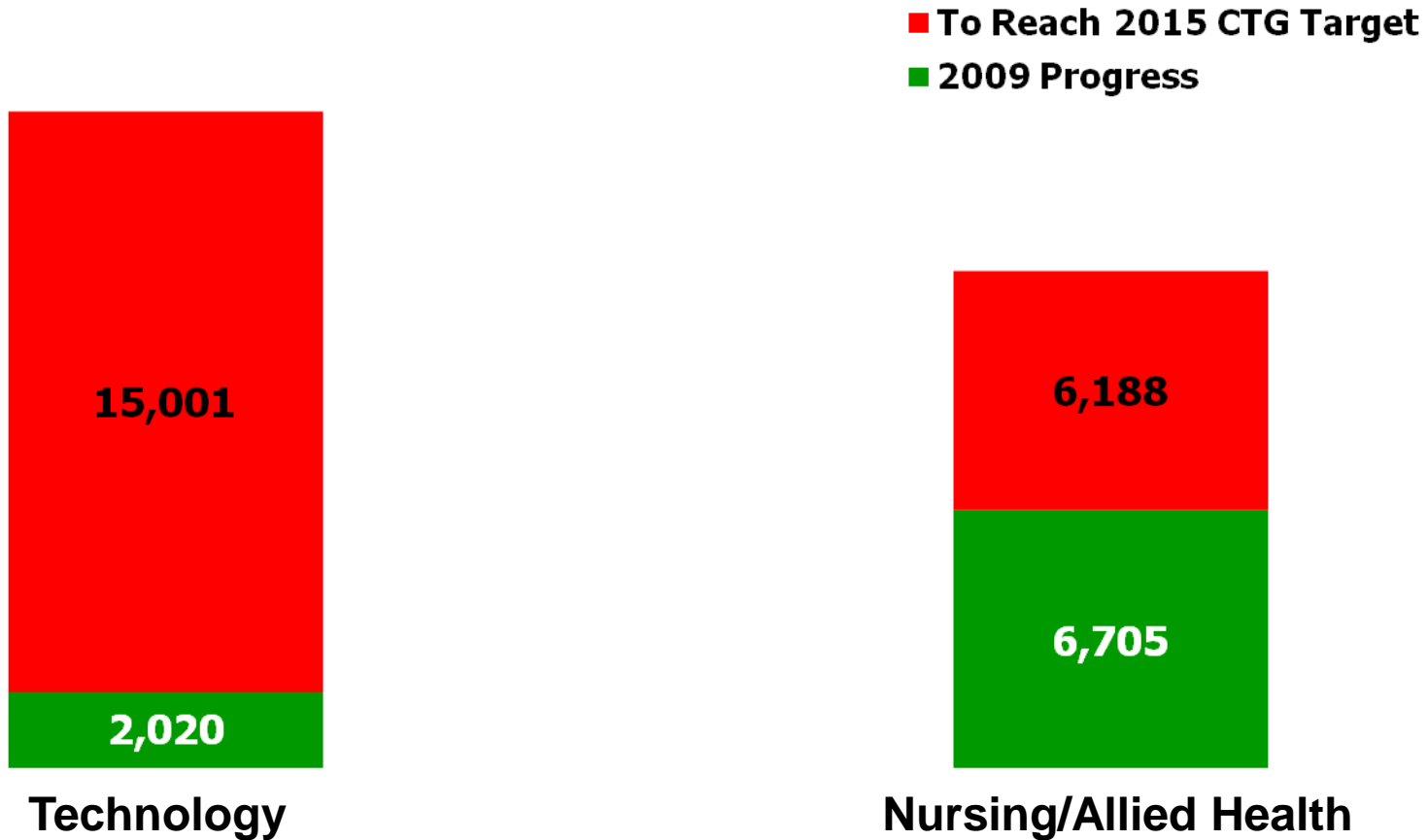


Texas is **on track** for awarding Bachelor's Degrees to meet 2015 Goal

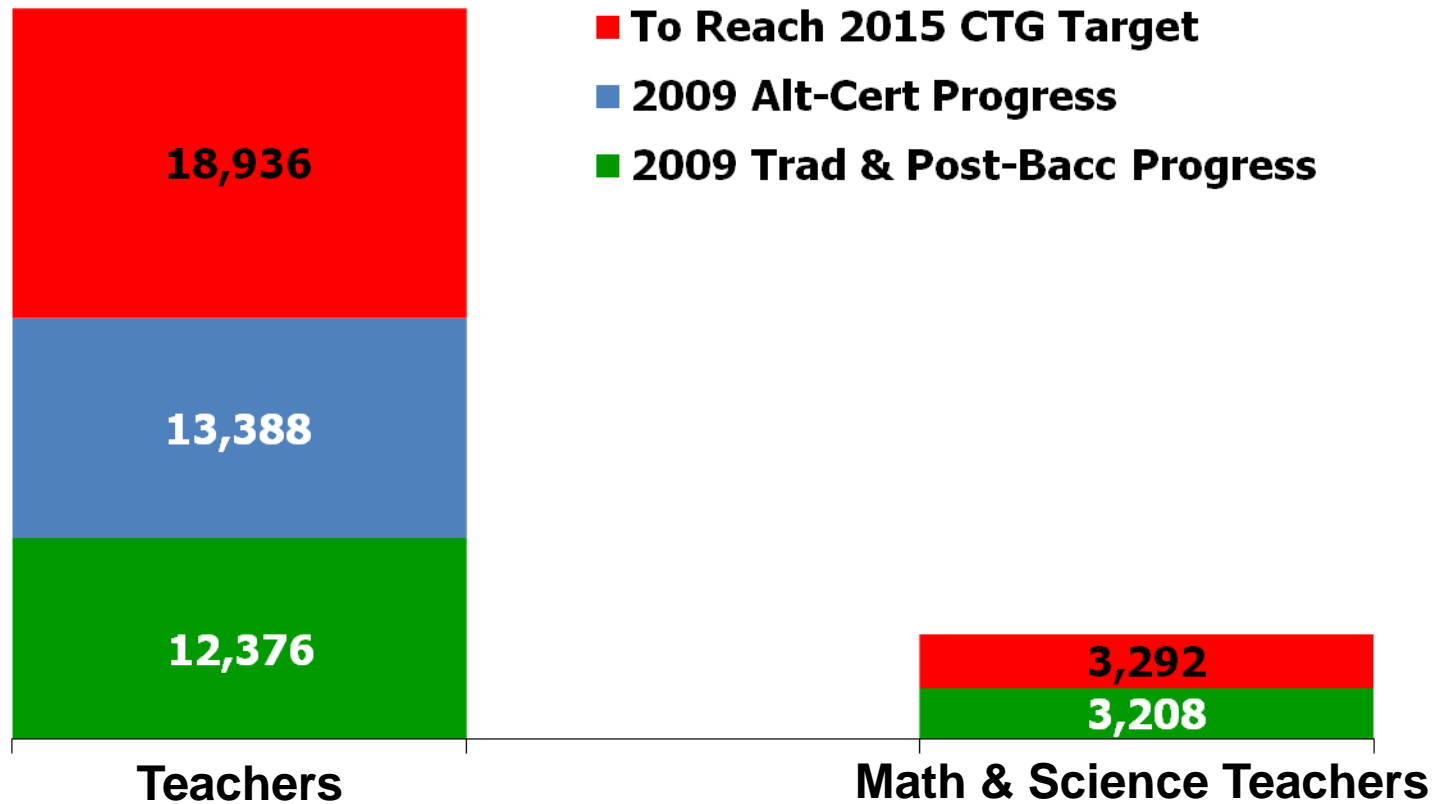
- To Reach 2015 CTG Target
- 2009 Progress



Texas has made some progress in Health Awards, but **very little progress in STEM fields**



Increasing the number of well prepared, certified teachers is **critical for Texas**



Excellence

By 2015, substantially increase the number of **nationally recognized programs** or services at colleges and universities in Texas.

Research

By 2015, increase the level of federal science and engineering research funding to Texas institutions to **6.5%** of obligations to higher education.

2010 progress report
on **Excellence** and **Research**

Excellence Target	Comparison with Target Line
National rankings	Well below target
Program recognition	On target

Research Target	Comparison with Target Line
Federal science and engineering research and development obligations	Somewhat below target
Public universities' research expenditures	Well above target

Undergraduate **Excellence**

- Access to excellent undergraduate education is critical.
- **78%** of all public university students are undergraduates.
- **90%** of all public college and university students are undergraduates.
- **44%** of all public college and university students are freshmen.

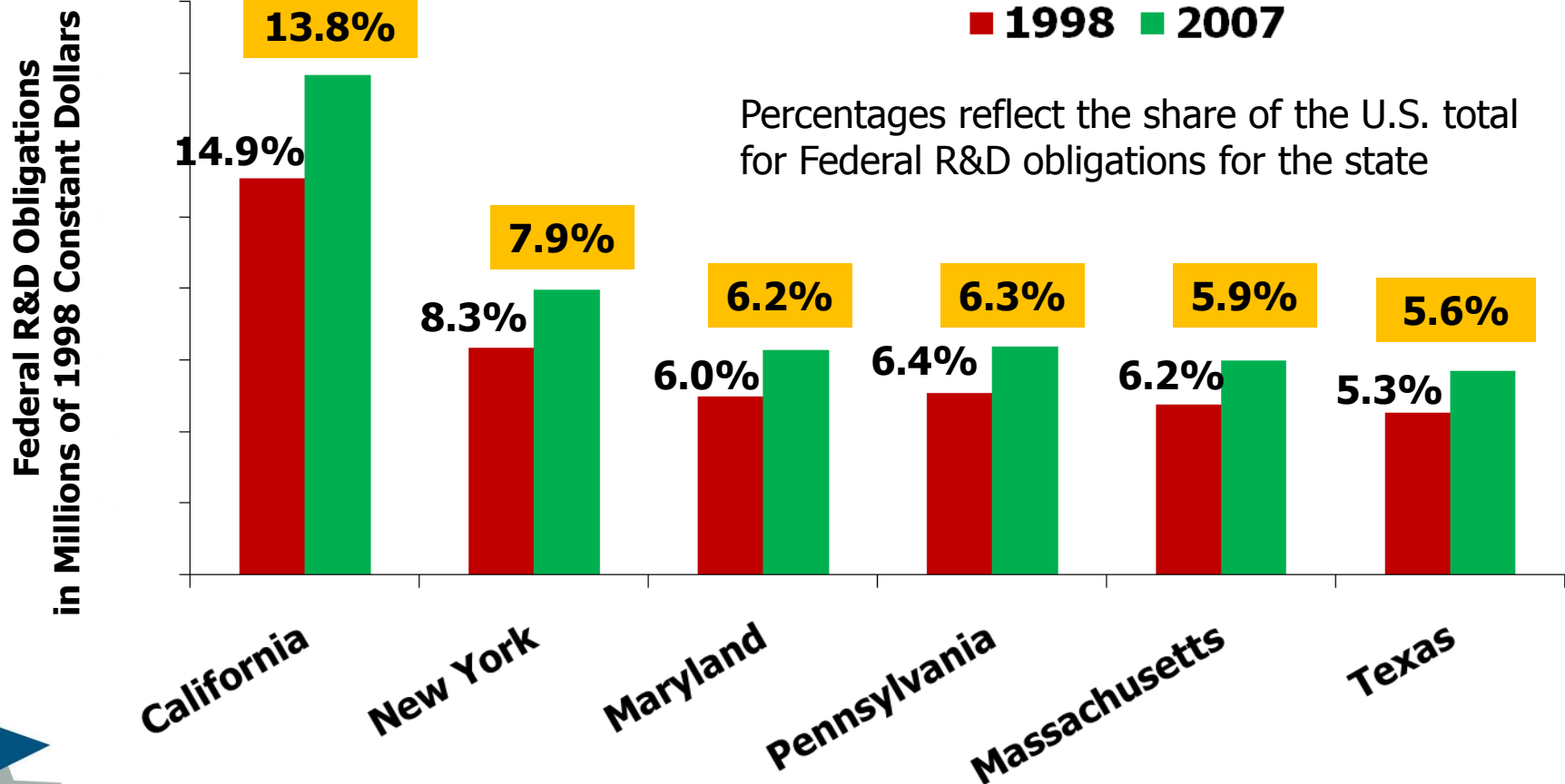
2010 Higher Education Leadership Conference

UC-Berkeley **has more National Academy Members** than all Texas institutions

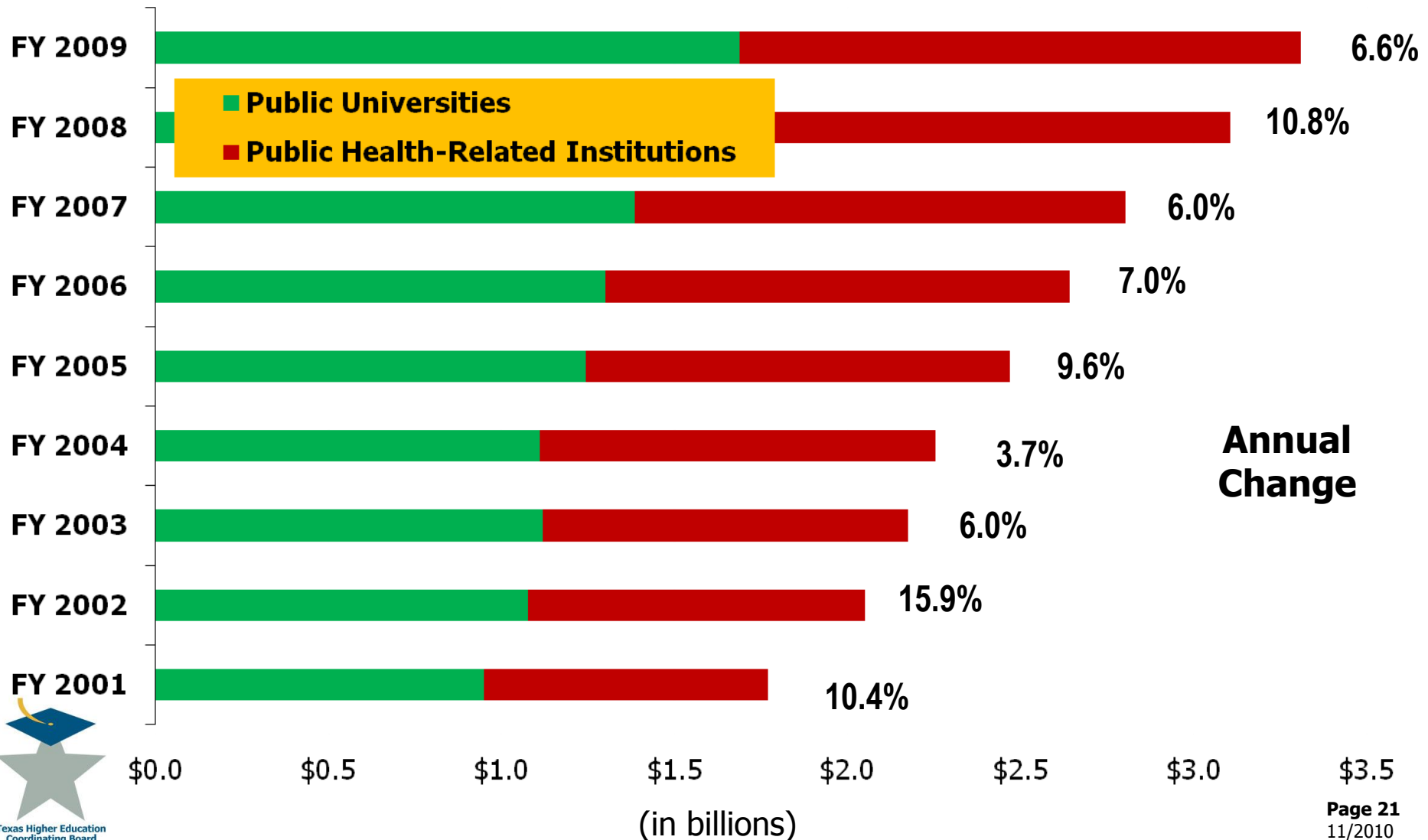
	Science	Engineering	Medicine	Total
UT Austin	15	48	4	67
TAMU/TAMUSHSC	5	17	3	25
Rice U	2	12	0	14
UT Med Cntr-Dallas	17	0	17	34
U of Houston	3	5	0	8
Baylor CO Medicine	4	0	10	14
UTHSC-San Antonio	0	0	1	1
UTHSC Houston	2	0	6	8
UT Med Br-Galveston	0	0	2	2
UT Dallas	1	0	0	1
Other (SMU, MDA, UNT, UTSA, TTU)	3	3	1	7
State of Texas Total	52	85	44	181
UC-Berkeley	127	78	9	214

As of Oct 2010

Texas' share of federal R&D obligations relative to other top performing states **has increased**



Research Expenditures for R&D at Public Universities and Health-Related Institutions



Research Summary

- Federal academic research funding (in constant dollars) declined from FY 2005-2007.
- Proposed budgets for NIH, NSF, and other agencies could be significant if realized.
- The *American Recovery & Reinvestment Act* (ARRA) of 2009 is providing large amounts of research funding to be obligated through agencies.
 - ✓ NIH (\$10.4 billion)
 - ✓ NSF (\$3 billion)
 - ✓ DOE, ED, NASA, USDA, and other agencies also have stimulus funds for research.

Texas has **accomplished much** since 2000

- The percentage of students entering higher education from public high schools **is increasing**.
- By preliminary fall 2010, more than **500,000 additional students** are enrolled in public and independent higher education.

Texas has **accomplished much** since 2000

- By fall 2009, more than **98%** of university and **86%** of community college students enrolling directly from high school had completed the RHSP or above.
- **39,000 additional** undergraduate degrees and certificates are awarded annually.

Texas has **accomplished much**
since 2000

- Undergraduate nursing degrees have **increased by 4,367**.
- Undergraduate engineering awards have **increased by 2,532**.
- In 2003, the 78th Texas Legislature allowed universities, like health-related institutions, to **retain 100%** of their research indirect cost revenue.

“A Tale of Two States – and One Million Jobs”

- The payoff to achieving the objectives of *Closing the Gaps* is great.
- By 2030, annual gains (in 2006 dollars) are projected to be:
 - ✓ **\$489.6 billion** in total spending
 - ✓ **\$194.5 billion** in gross state product
 - ✓ **\$121.9 billion** in personal income
 - ✓ **1,023,281** permanent jobs



Source: Ray Perryman Group; <http://www.thecb.state.tx.us/reports/PDF/1345.PDF>