

# ***NORTH CAROLINA BEYOND THE CONNECTED AGE: THE TAR HEEL STATE IN 2050 - IMPLICATIONS FOR TRANSPORTATION***

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Dr. Michael Walden  
Reynolds Distinguished  
Professor  
North Carolina State  
University

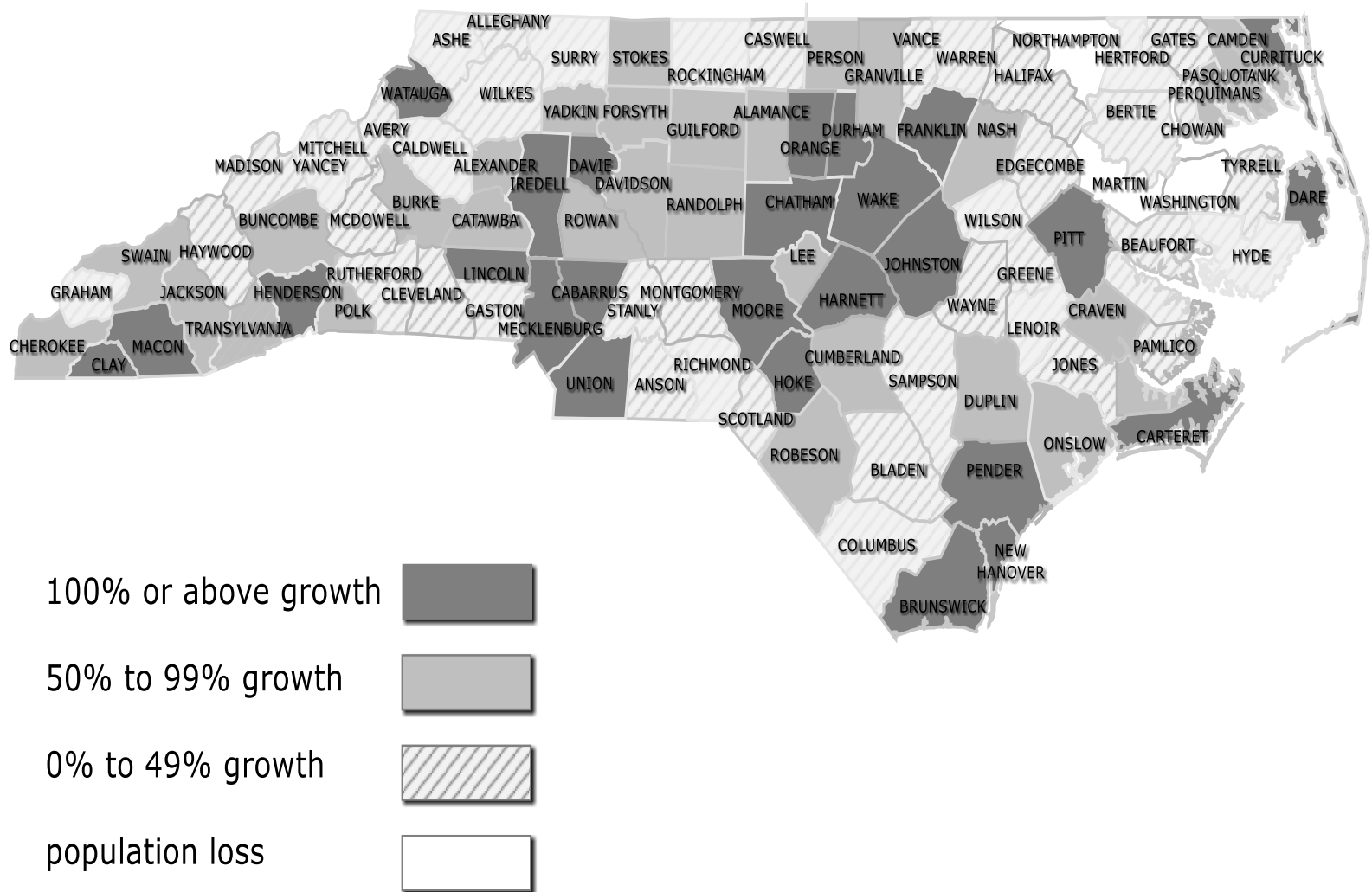
# WE WILL ADD PEOPLE



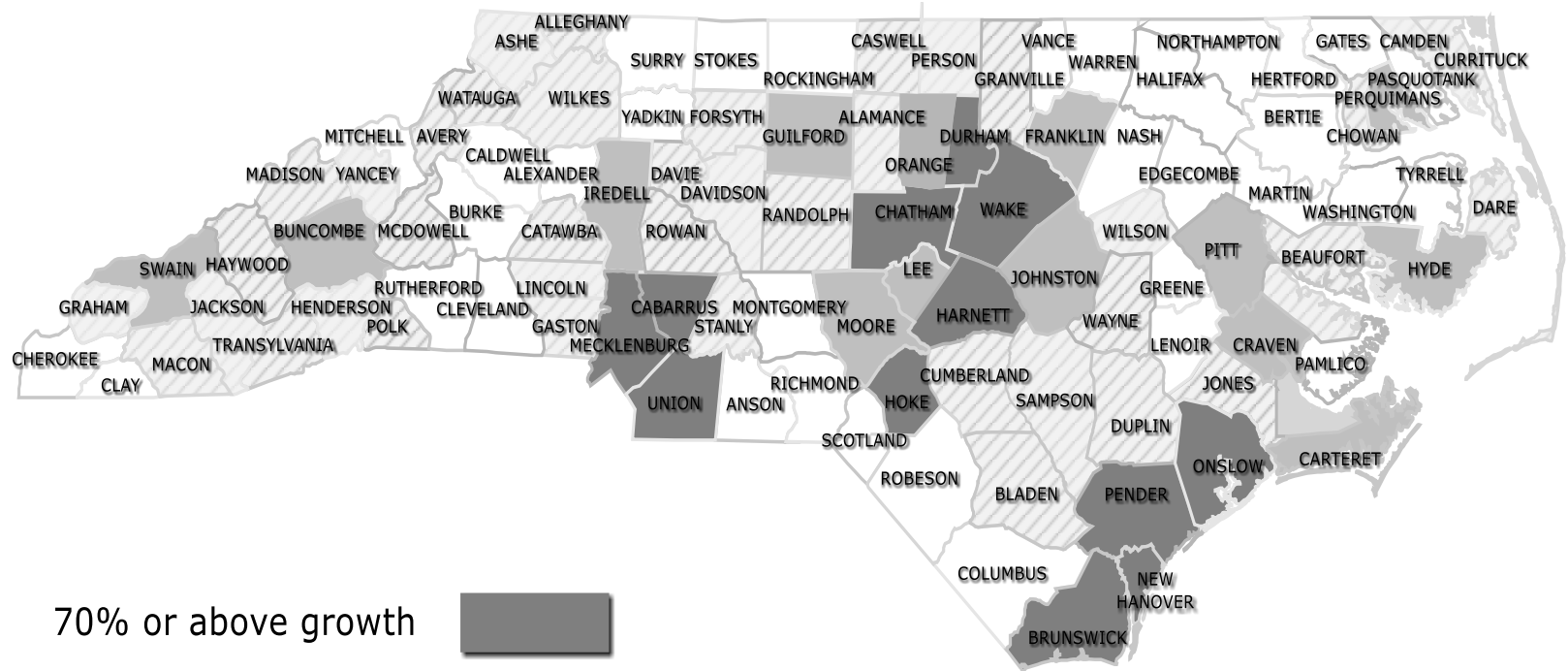
10 MILLION PEOPLE  
TO 13.4 MILLION  
PEOPLE IN 2050

ELDERLY % WILL  
ALMOST DOUBLE

# COUNTY POPULATION GROWTH: 1970 TO 2010



# COUNTY POPULATION GROWTH 2010-2050



70% or above growth



35% to 69% growth



0% to 34% growth



population loss



# US MEGA-REGIONS 2012

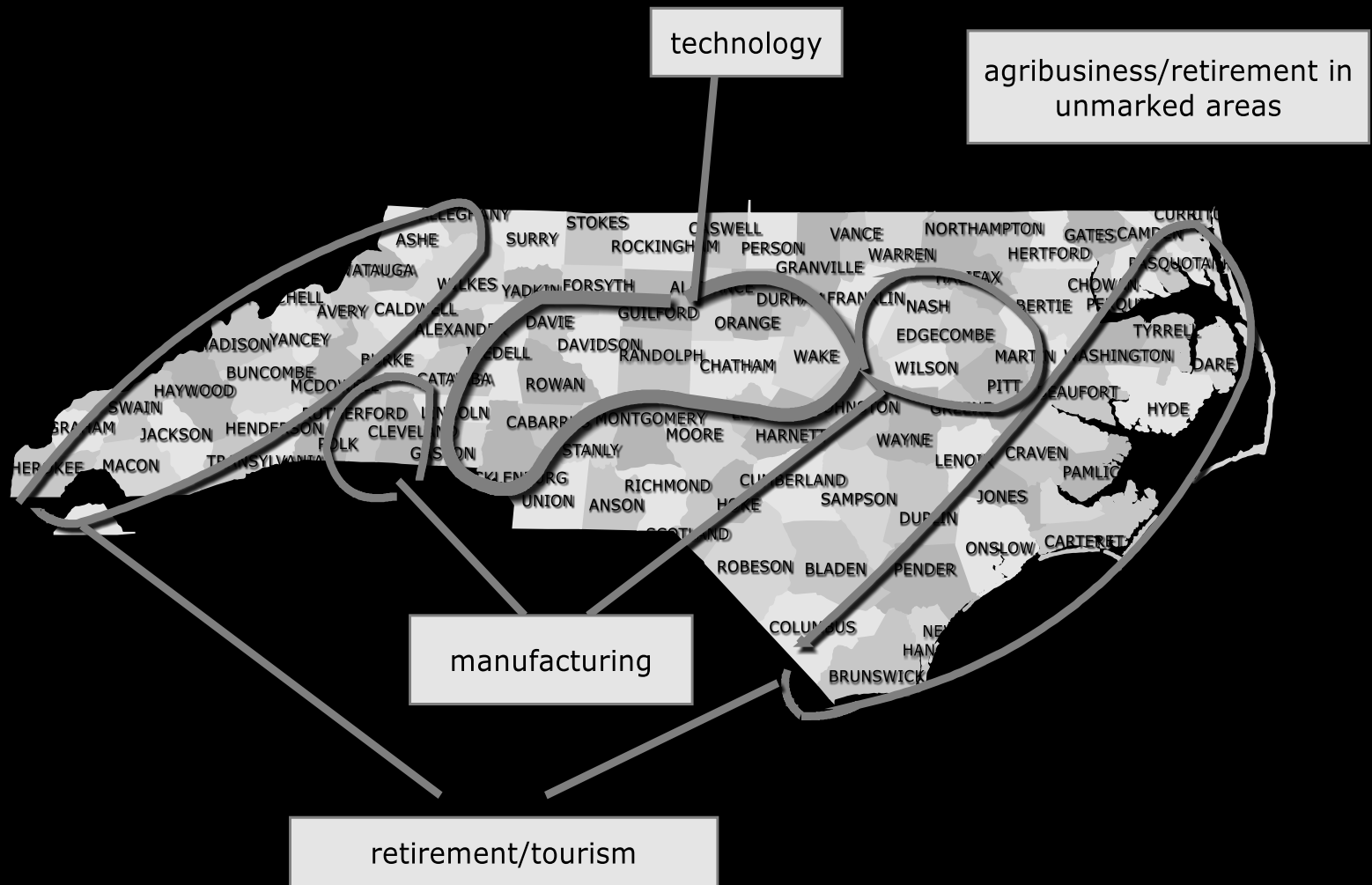


# HIGHER DENSITIES WILL MAKE MASS TRANSIT MORE VIABLE



ALSO, COULD DRIVERLESS  
VEHICLES INCREASE THE  
EFFICIENCY OF ROADS  
AND REDUCE THE NEED  
FOR MORE ROAD  
CONSTRUCTION?

# NORTH CAROLINA ECONOMIC GEOGRAPHY IN 2050





# EMPLOYMENT



WILL TECHNOLOGY  
MOVE MORE JOBS TO  
HOMESITES AND  
REDUCE COMMUTING?

WILL TECHNOLOGY  
REDUCE THE TOTAL  
NUMBER OF JOBS?





# THE EDUCATION SYSTEM WILL BE EVEN MORE CRUCIAL IN THE 21<sup>ST</sup> CENTURY

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K-12: COLLEGE TRACK  
EMPLOYMENT TRACK

TECHNICAL COLLEGE  
INTERACTION WITH JOB MARKET  
INTERACTION WITH HIGH SCHOOL

CORE COLLEGE

ADVANCED COLLEGE

RENEWAL EDUCATION

# MUST CLOSELY MONITOR JOB CHANGE

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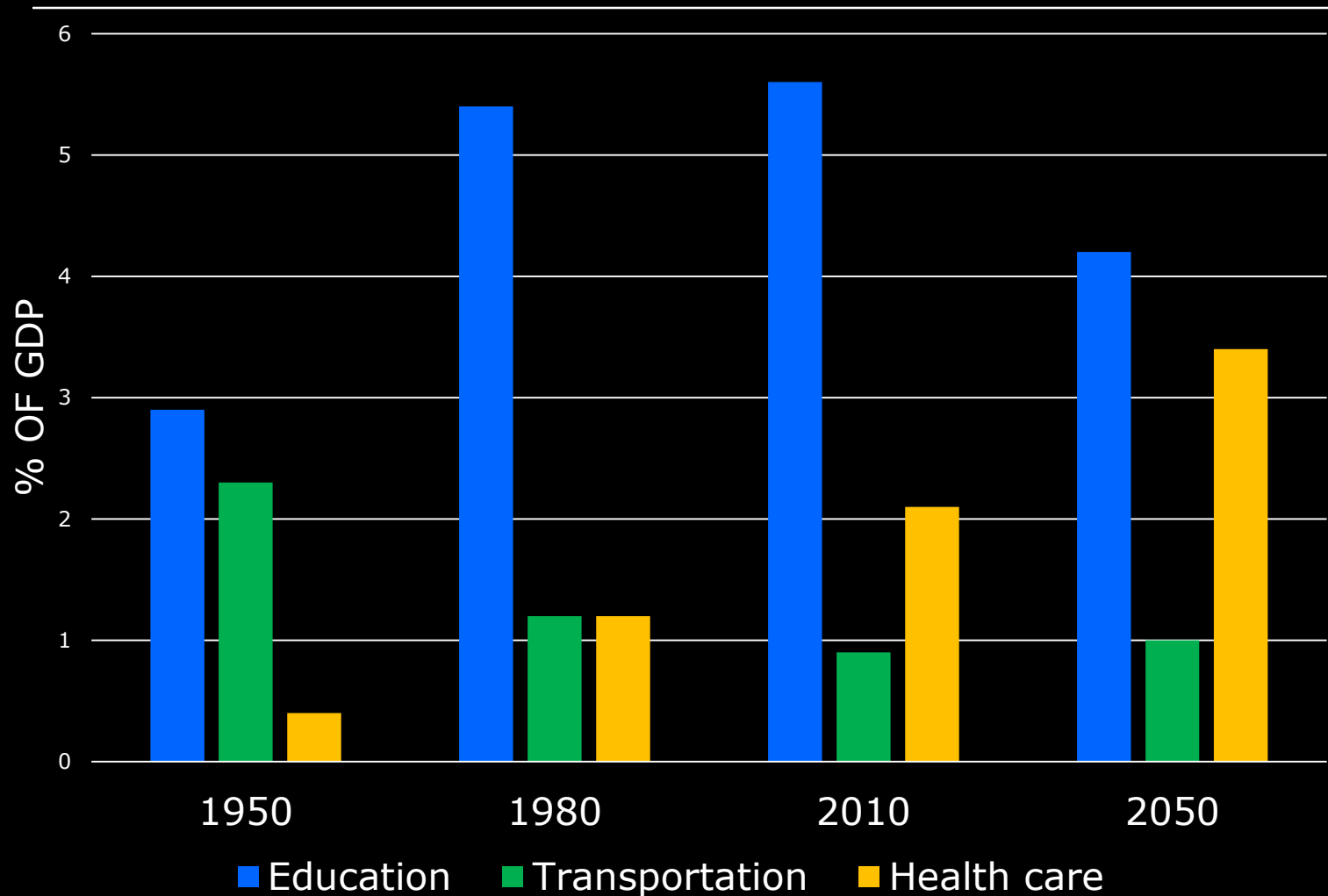
AND EDUCATIONAL  
INSTITUTIONS WILL  
NEED TO RAPIDLY  
REDEPLOY RESOURCES



# CURRENT AND FUTURE NC POWER SOURCES

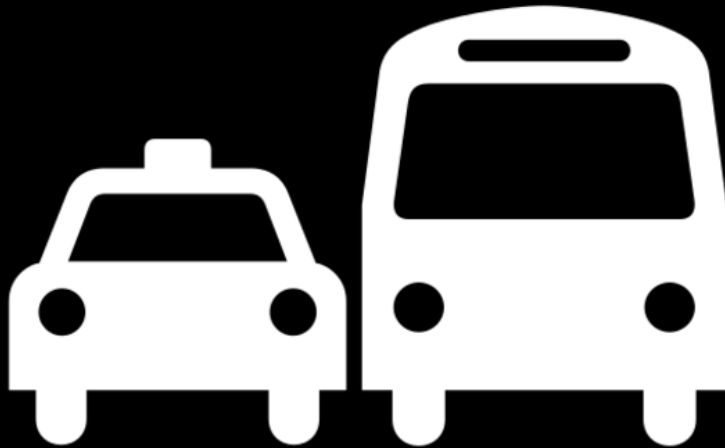
Power Source	2014	2050
Coal	19.6%	15.7%
Nuclear	16.8%	12.6%
Oil	31.3%	34.6%
Natural Gas	18.0%	24.3%
Hydro	1.8%	1.5%
Renewable	6.1%	11.3%

# WILL RISING HEALTH CARE SPENDING SQUEEZE SPENDING ON OTHER FUNCTIONS?



# HOW WILL TRANSPORTATION BE FUNDED?

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EXPANDED TAXATION  
ON NEW FUELS?

GENERAL TAX  
REVENUES?

PRIVATE FUNDING?



## NEHRU ONCE SAID:

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"LIFE IS LIKE A GAME OF CARDS.  
THE HAND YOU ARE DEALT IS  
DETERMINISM; THE WAY YOU PLAY  
THE HAND IS FREE WILL."