

Aberdeen Past, Present and Future

Meeting #2

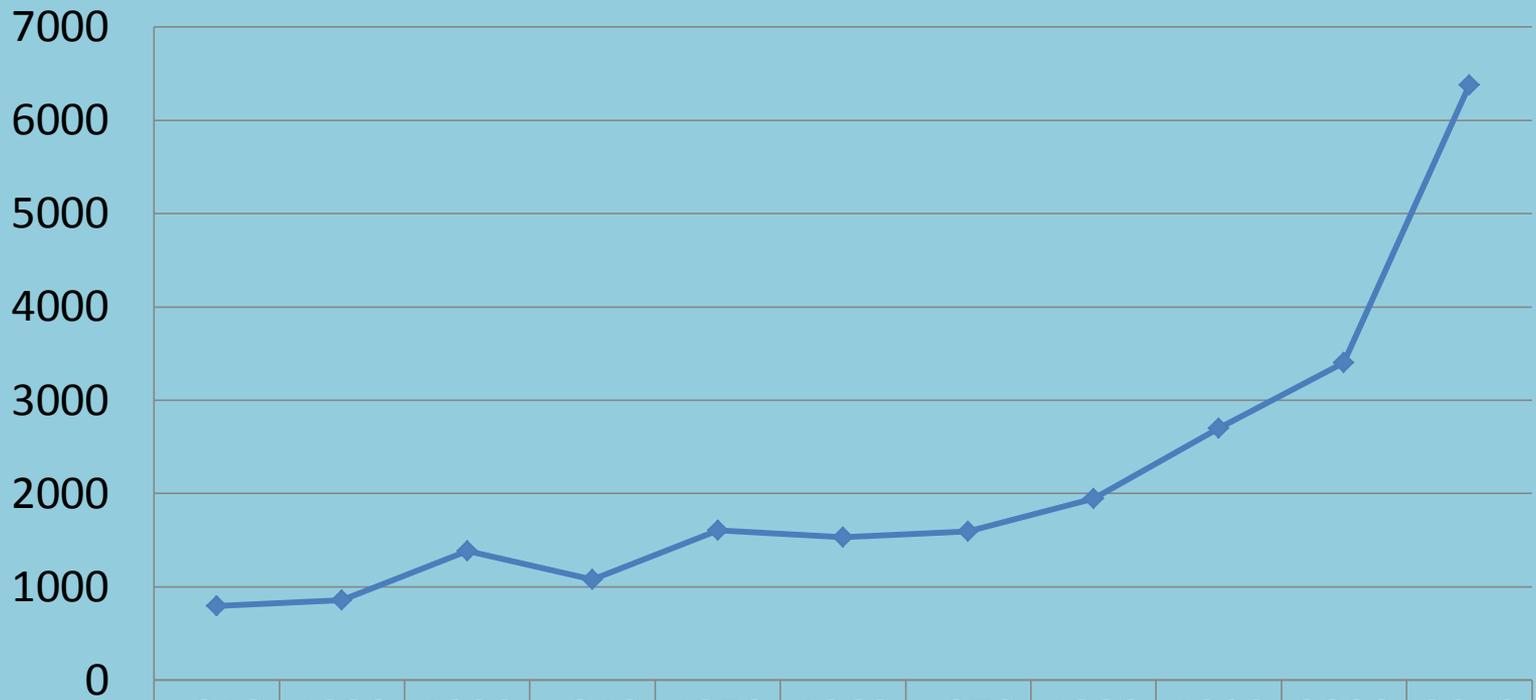
February 19, 2014

Land Use Plan Steering Committee

Photography by Jae Kim 2014

Population Growth Over Time

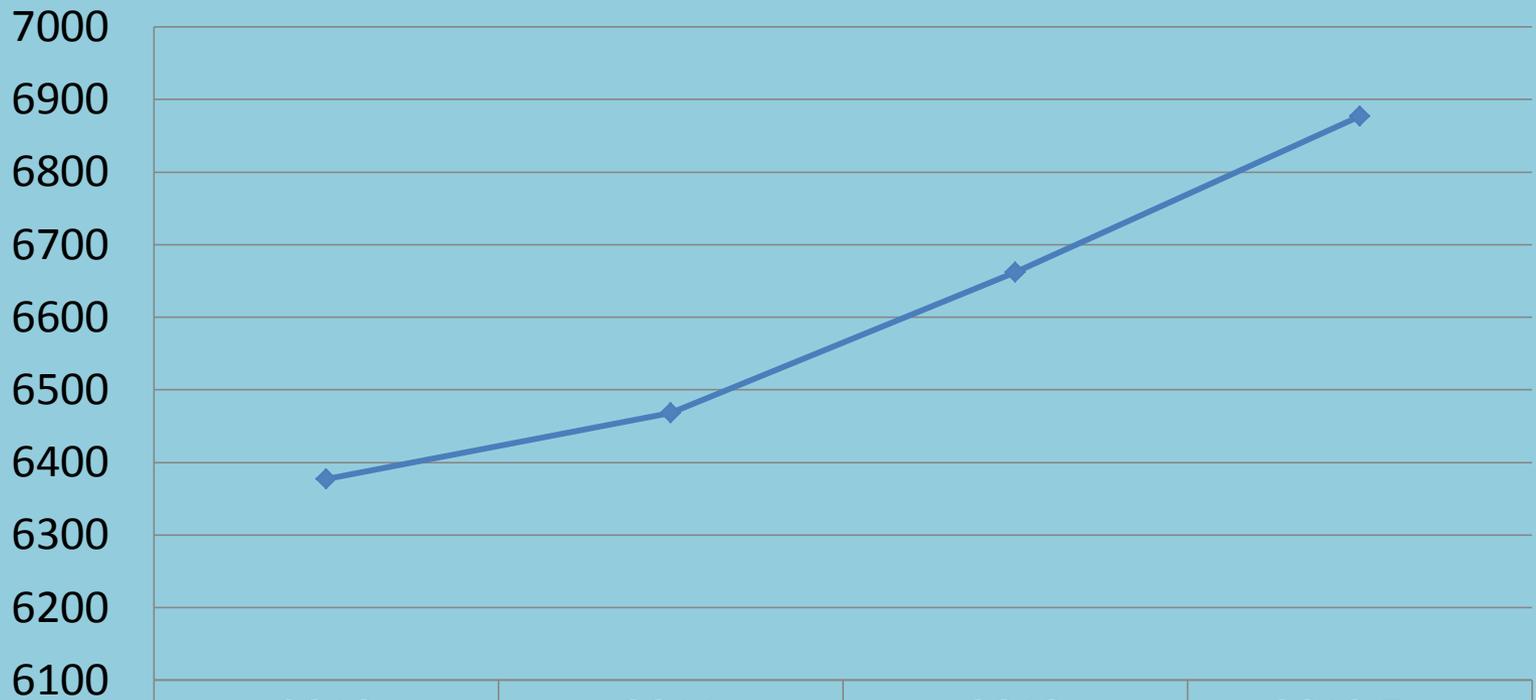
Population



Year	1910	1920	1930	1940	1950	1960	1970	1980	1990	2000	2010
Population	794	858	1382	1076	1603	1531	1592	1945	2700	3400	6377

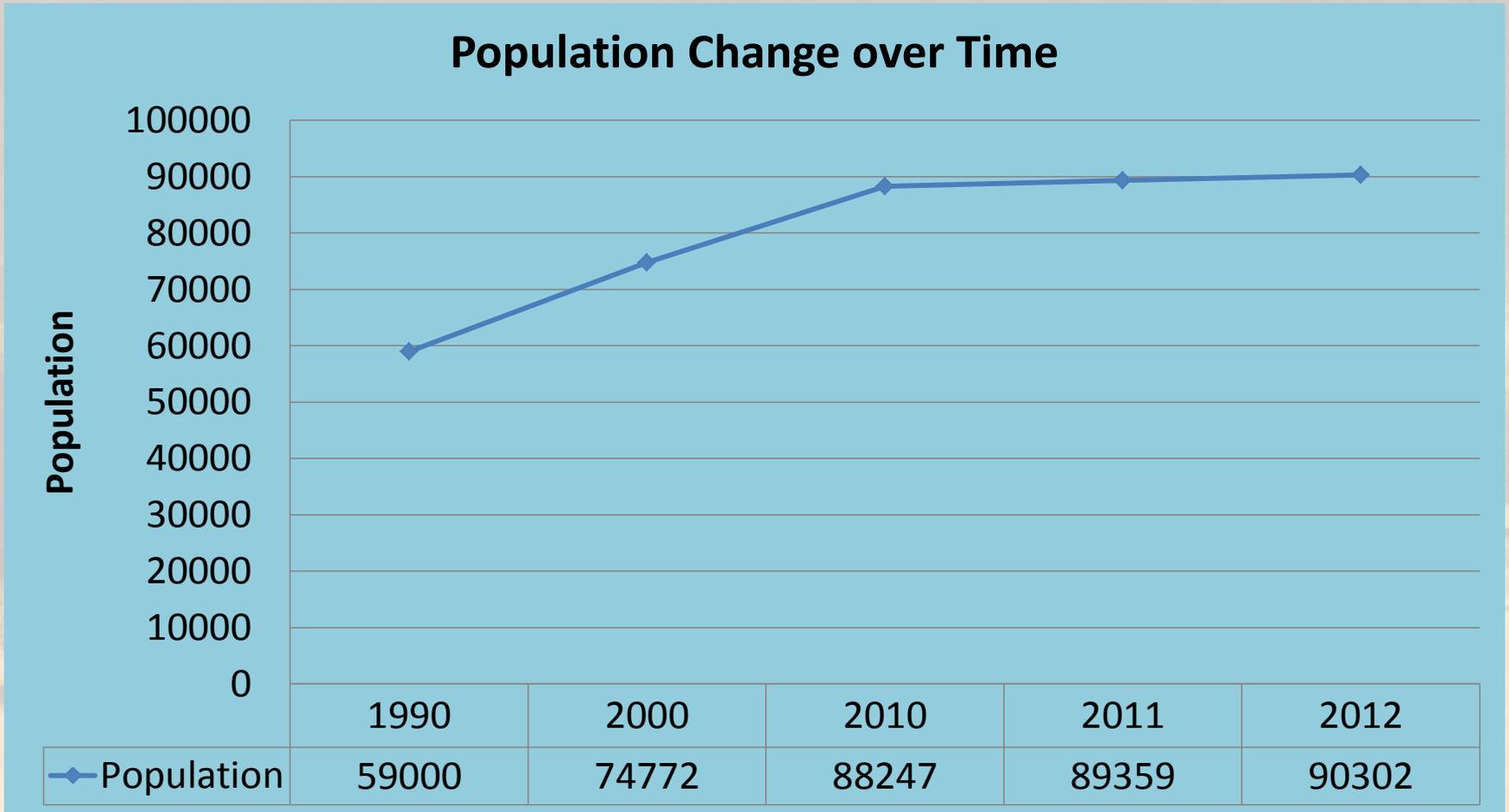
Growth Since 2010

Population



Population	2010	2011	2012	2013 Est.
	6377	6468	6662	6877

PH-SP Micropolitan Statistical Area



Rate of change 1.03% per year.

Moore County

- County Growth Rate: 1.4% per year
- Initial projections: by 2030, +28,000
- 12,000 residential units
- 9400 nonindustrial jobs
- 1500 industrial jobs
- TARPO/OSMB revised to 34,000 people and 18% per decade growth rate
- Most of the growth is in south county

Estimated Population Growth

- Geometric extends average percent change into the future (can be too high)
- Arithmetic extends the average number change (more conservative)
- Average of Arithmetic and Geometric
- Previous plan underestimated using both arithmetic and geometric by over 2000 people
- Estimates from proposed large developments over projected (ex. 1500 units for 2020)
- If used 2.08 people per household, it would have been almost exactly correct.
- Growth rate from 1910 to 2013 was 2.07%. From 1960 to 2013 it was 3.18% - more than 50% higher.

Population Projections

*****Geometric (1960 basis)**

- 2020 – 7,938
- 2030 – 10,859
- 2040 – 14,853

Apply 18% per decade

County rate:

- 2020 – 7,524
- 2030 – 8,878
- 2040 – 10,476

Arithmetic (1960 basis)

- 2020 – 7,647
- 2030 – 8,747
- 2040 – 9,847

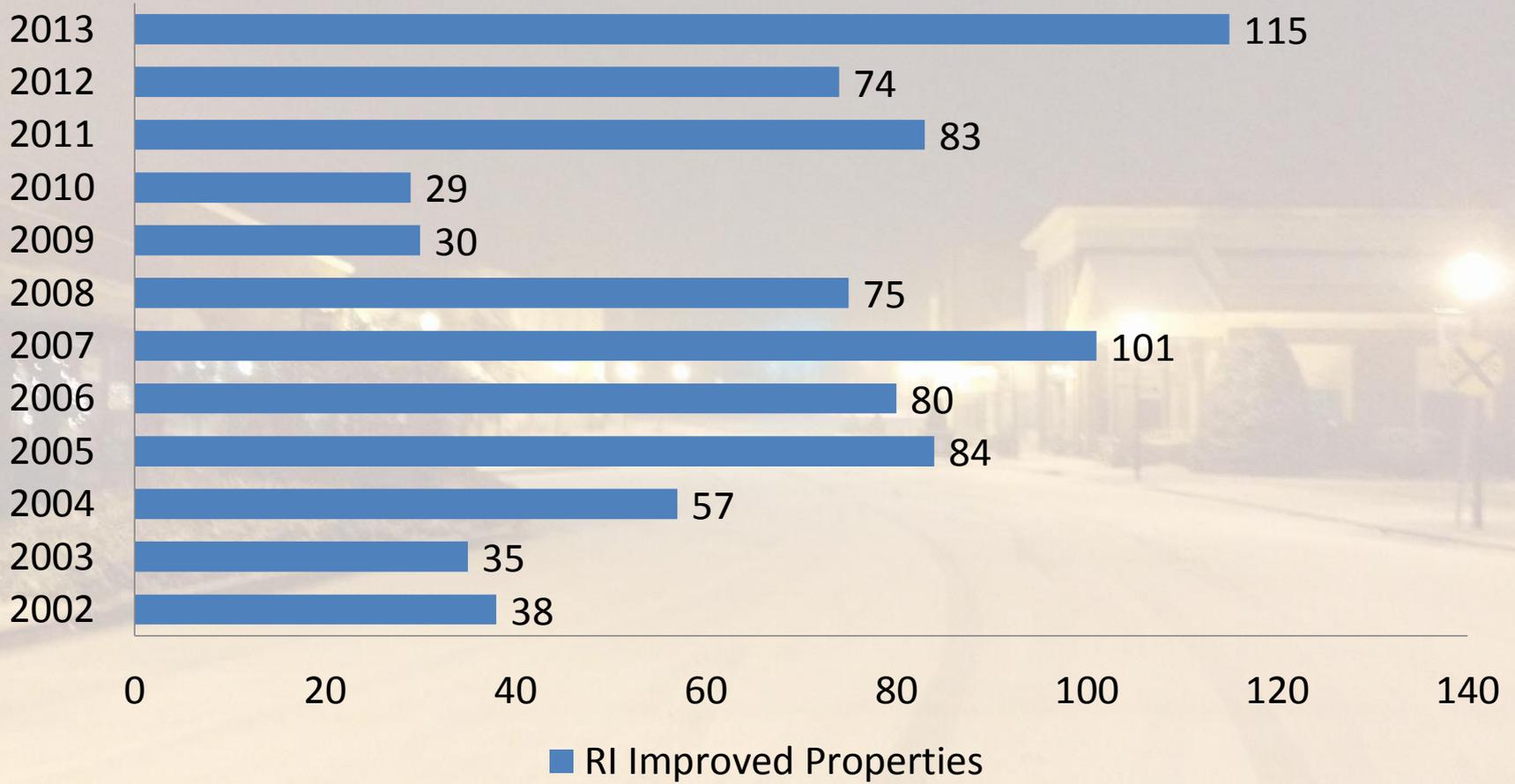
TARPO Projection

Sandhills Township:

- 2020 - 17,288
- 2030 - 18,957
- 2040 - 20,626

*Includes Pinebluff and Aberdeen

Housing Units



Housing Unit Projections

645 additional units by 2040

By geometric method

- 2020: 7,938 – **750** dwelling units needed
- 2030: 10,859 – **1404** additional dwelling units needed
- 2040: 14,853 – **1920** additional dwelling units needed

Available Platted Lots Between 8000 and 40,000 SF: 618

Unplatted Lots: Legacy (283 platted) , Sandy Springs (77 platted), Speight

Rapid Fire #1

Brainstorming Questions – 10 min

- Do you expect Aberdeen's rate of growth to slow, stay the same, or increase over the next 30 years?
- What factors do you think would influence the trend?
- Given that household sizes are decreasing but population continues to increase, how would that affect the type of dwellings Aberdeen needs in the future?

What could shift growth projections?

- Slowing or reduction in force strength at Bragg
- Decline and lack of revitalization of industrial operations.
- Improvement in schools as reflected to the public (ex. Report card)
- Expansion limitations of Southern Pines and Pinehurst

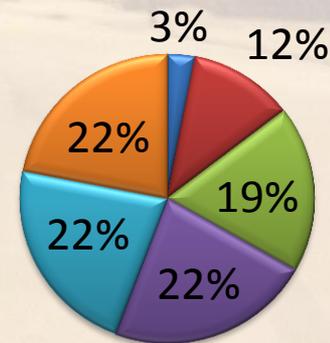
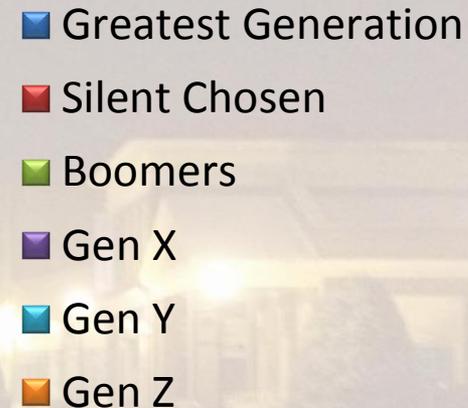
The Browning and Greying of America

- In the next 30 years, 1/5 of our nation's population will be over the age of 65
- The number of people over the age of 85 will triple
- There will be no state in the US considered a majority state by today's standards
- By 2050, 62% of America's population will be minority by today's standards
- By 2030, single person households will be in the clear majority

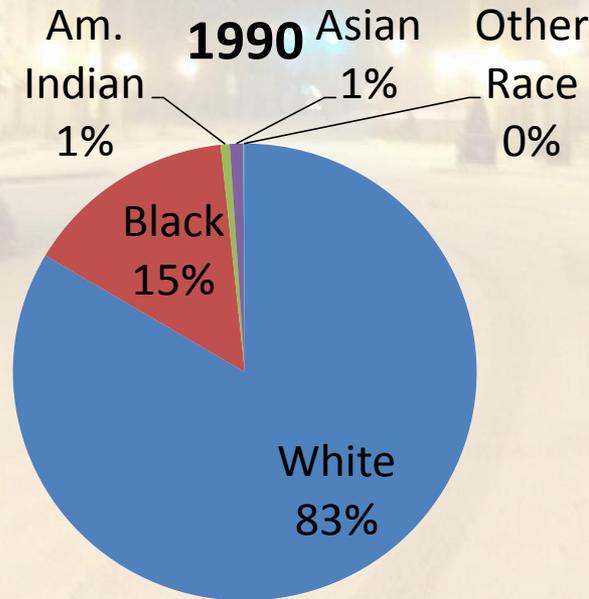
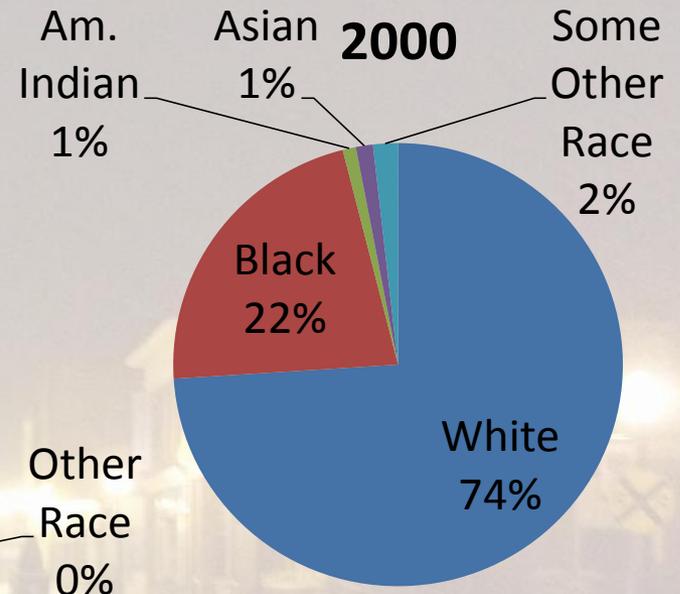
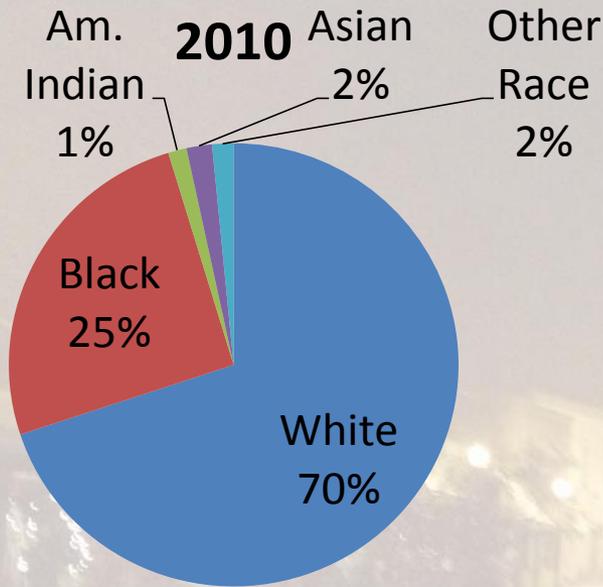
The Generation Gap

- Greatest Generation
 - 1901 to 1924
- Silent/Chosen Generation
 - 1925 to 1945
- **Baby Boomers**
 - 1946 to 1964
- **Gen X**
 - 1965 to 1981
- Gen Y
 - 1982 to 1995
- Gen Z
 - 1996 to today

Distribution by Age (2010)



Distribution By Race



In 1950, approximately 20% of the population was non-white. In 2010, over 30% of the population classified themselves as non-white.

Persons Per Household

Jurisdiction	
Moore County	2.39
Pinebluff	2.52
Southern Pines	2.22
Pinehurst	2.20
Aberdeen	2.08

Aberdeen	
1950	3.35
1990	2.32
2000	2.23
2010	2.08

Gender by Percentage

Chart Title

■ Men ■ Women

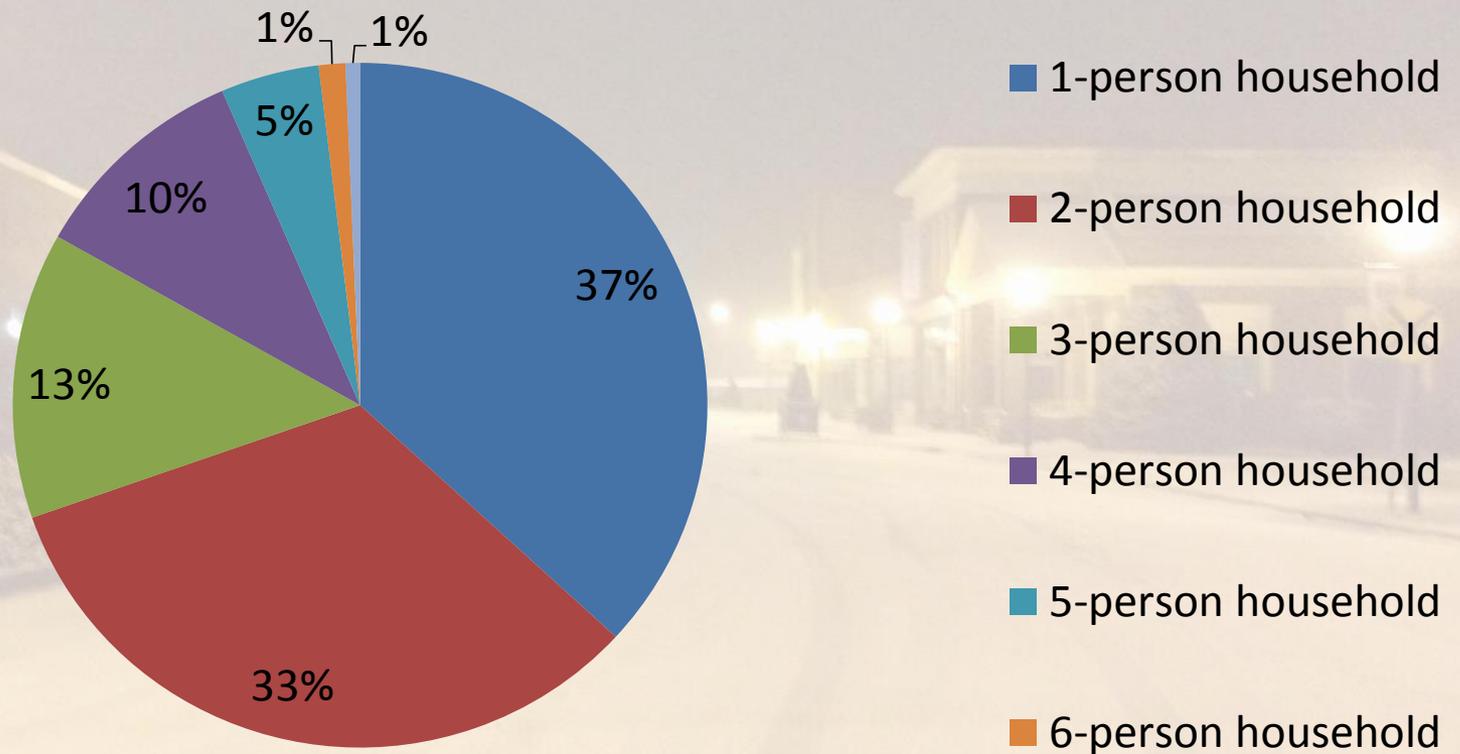


2000

2010

Type of Household

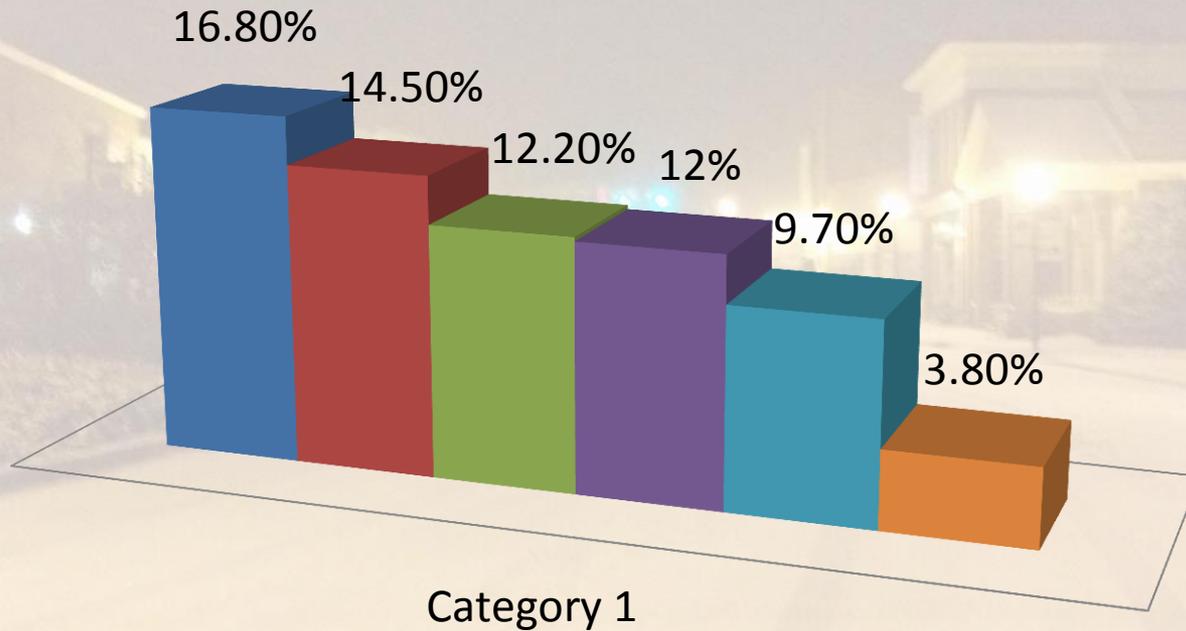
2010 Household Size



Economic Status

Poverty Levels

■ NC ■ Moore County ■ Aberdeen ■ Southern Pines ■ Pinebluff ■ Pinehurst

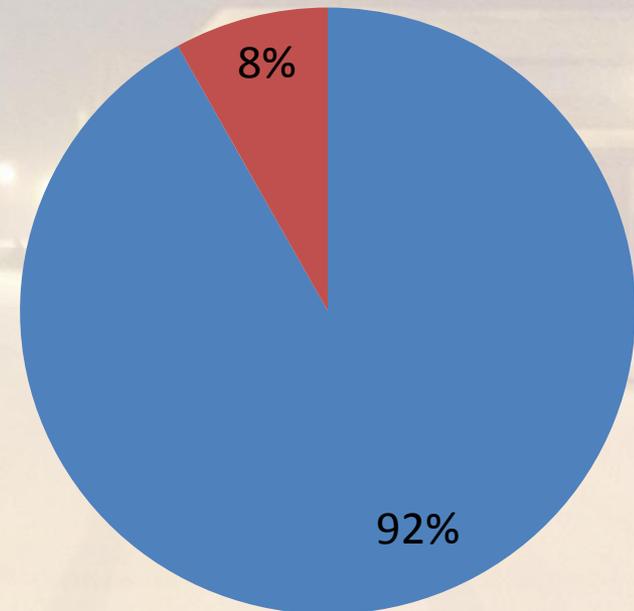


Housing Occupancy

- 3081 Housing Units
- 34% multifamily
- 47.9% owner occupied
- 52.1% renter occupied
- 2000, 60.7% owner occupied
- 2000, 39.3% renter occupied

2010 Occupancy

■ Occupied ■ Vacant



Rapid Fire Question

- As Baby Boomers age out, how will Aberdeen change?



Aberdeen Primary School

310 Keyser Street

- Title I School
- High poverty school
- 327 students
- Average class size
 - 20 (K), 17(1), 16(2)
- School Report Card
- Expected growth not achieved (50 – 60% at grade level or <50% at grade level)
- 12/21 NCLB annual objectives
- 17.74/100 short term suspensions

Aberdeen Elementary School

- 308 students
- Average class size
 - Grade 4 – 20 students
 - Grade 5 – 22 students
- Expected growth not achieved (50 – 60% at grade level or <50% at grade level)
- 12/21 measurable objectives
- Disparities observed in economically disadvantaged populations

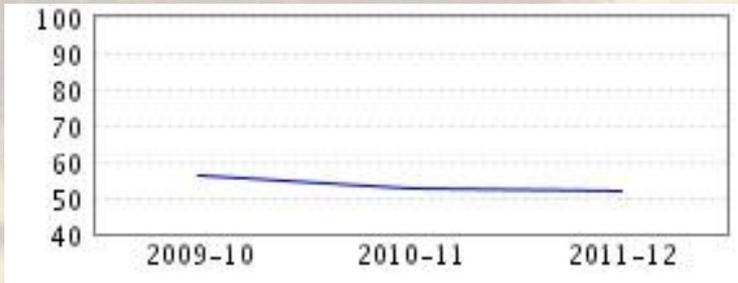
No Child Left Behind - Science

	Grade 5
AB Elem	53.10%
District	79.60%
State	75.90%

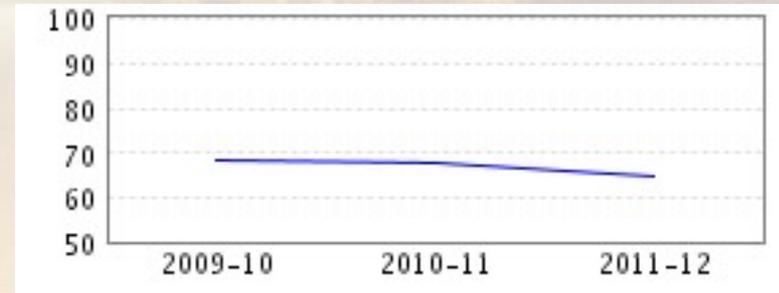
Aberdeen Elementary School

School Report Card

	Grade 3		Grade 4		Grade 5		OVERALL	
	Read	Math	Read	Math	Read	Math	Read	Math
AB Elem	56.10%	63.30%	48.00%	66.70%	53.10%	64.60%	52.40%	64.90%
District	72.70%	82.70%	72.00%	86.70%	73.00%	82.30%	73.50%	84.20%



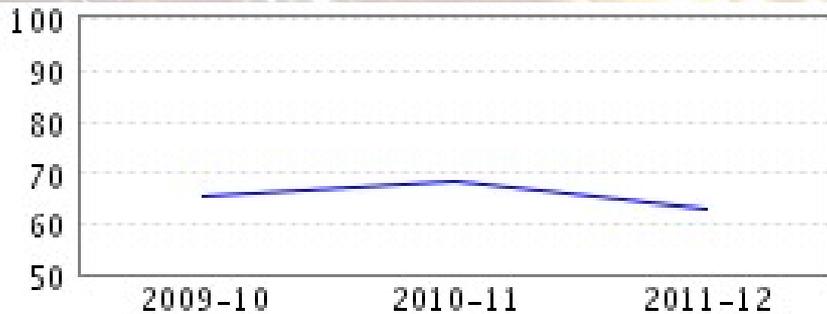
Reading



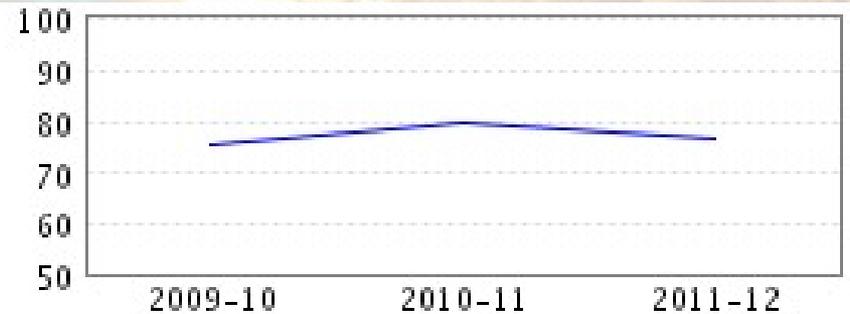
Math

Southern Middle School

	Grade 6		Grade 7		Grade 8		OVERALL	
	Read	Math	Read	Math	Read	Math	Read	Math
Southern Middle	65.50%	66.70%	59.10%	77.70%	64.10%	86.50%	63.00%	76.90%
District	76.60%	78.40%	70.60%	84.10%	75.60%	90.60%	73.50%	84.20%
State	75.20%	80.50%	68.20%	81.10%	71.10%	85.20%	71.20%	82.80%

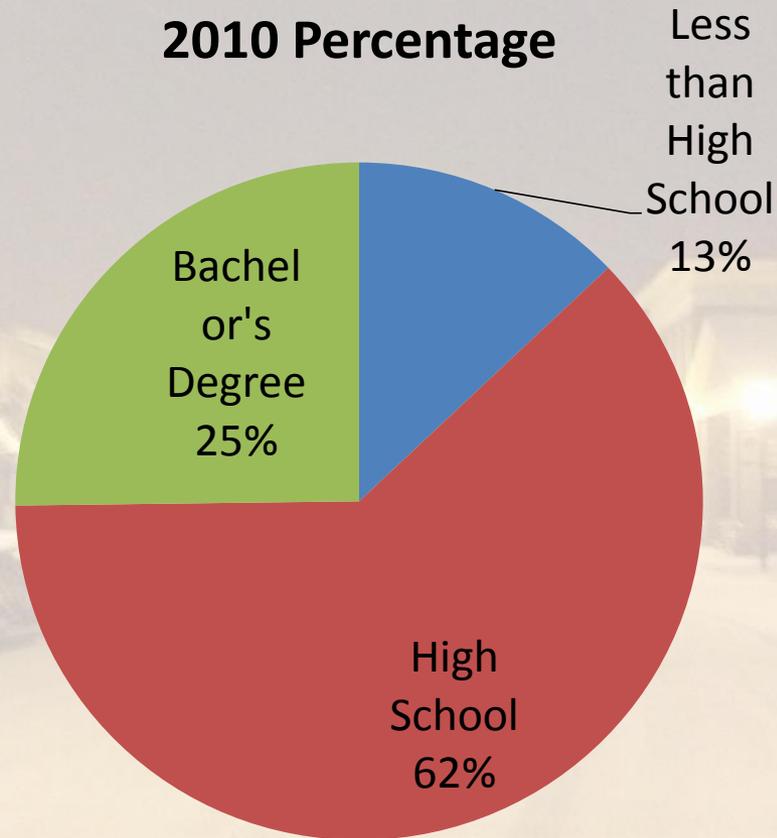


Reading



Math

Educational Attainment



Rapid Fire

Brainstorming Questions – 10 minutes

- How could a land use plan affect the quality of the school system and the provision of a high quality educational experience?
 - Consider healthy activities
 - Food safety
 - New school locations
 - Access to school, student safety
- What support activities could be offered to youth?

School Facilities Master Plan 2006-2018

- Aberdeen Schools are in Area III
 - Aberdeen Primary
 - Aberdeen Elementary
 - Southern Middle
- Schools are addressed in Phase III
- “additions for programs, modernization, meet district facility standards”
- Status of Phase I

Business

US Census 2007

- Total # of firms – 540
- Wholesale sales-
\$49,998,000
- Retail sales – \$280,416,000
- Accommodation and Food
Sales - \$37,216,000

**Moore County identified the
need for no less than 9400
jobs**

LUPSC Mtg. #1 Issues

- Water
- Traffic
- Safety
- Sewer
- Expansion of services
- Smart growth
- Retention of retail
- Retaining small town atmosphere
- Public Safety
- Zoning
- Downtown Revitalization
- Impact from surrounding communities
- Public health service providers

Survey Results

Q1 Major Challenge 20 years

Challenge	Paper survey	Survey Monkey 1	Survey Monkey 2	Survey Monkey 3
Population Growth	62	64%	58%	54%
Traffic	74	60%	65%	60%
Water	15	0	3%	3%
Sewer	11	0	0	3%
High Paying Jobs	45	28%	34%	40%
Military Needs	9	4%	3%	3%
Crime/Police	38	40%	45%	51%
Unsightly Develop.	10	24%	28%	23%
Affordable Housing	16		21%	20%

Survey Results

Q2 Type Development Needed

	Paper Survey	Survey Monkey #1	Survey Monkey #2	Survey Monkey #3
Residential	46	33%	32%	35%
Service Industry	13	24%	24%	19%
Retail	41	57%	60%	48%
Office	12	19%	16%	16%
Industrial	41	14%	16%	16%
Downtown Comm.	56	62%	68%	64%

Survey Results

Q3 Additional Types of Businesses

	Paper Survey	Survey Monkey #1	Survey Monkey #2	Survey Monkey #3
Sit Down Restaurants	50	70%	67%	67%
Nightlife/ Entertainment	56	55%	50%	43%
Personal Services	7	35%	33%	30%
Retail	42	80%	79%	76%
Gas Stations/ Convenience Stores	10	5%	4%	3%
Youth/Family	11			

Survey Results

Q4 Type of Housing

	Paper Survey	Survey Monkey #1	Survey Monkey #2	Survey Monkey #3
Entry Level Starter Homes	47	43%	37%	43%
Mid-level Single Family	67	76%	79%	80%
High-end Single Family	19	19%	17%	13%
Apartments	29	10%	12%	13%
Duplexes, Triplexes	12	5%	4%	3%
Senior Housing	30	24%	21%	20%

SWOT Analysis

Strengths

Weaknesses



SWOT Analysis

Threats

Opportunities



How Did We Do with the 2030 Plan?

- Did not build a lot of conservation subdivisions
- Shut down growth of multifamily (35% by census)
- Did not approve mixed use although have approved B3 zoning
- No need identified for new industrial
- Town is working on trails extensions

21st Century Challenges

- Graying and browning of America
- Rise of single person households
- Traditional family is changing
- Aging infrastructure
- Urban sprawl, aging suburbs, shrinking farmland and rural areas
- Climate change
- Antiquated zoning tools
- Shrinking tax base for local government
- Availability of water
- Obesity, public health, food security
- Jobs and the economy

Next Step

- Presentation of Green Growth Tool Box
- Presentation of Impact of JLUS on Aberdeen
- Future Land Use Map Exercise to project housing density

JLUS Map

Legend

-  Nearby Farms
-  Voluntary Agricultural Districts
-  Aberdeen Schools

Floodzone

-  100 Year Floodplain
-  100 Year Floodway
-  Wetlands

Significant Natural Heritage Areas

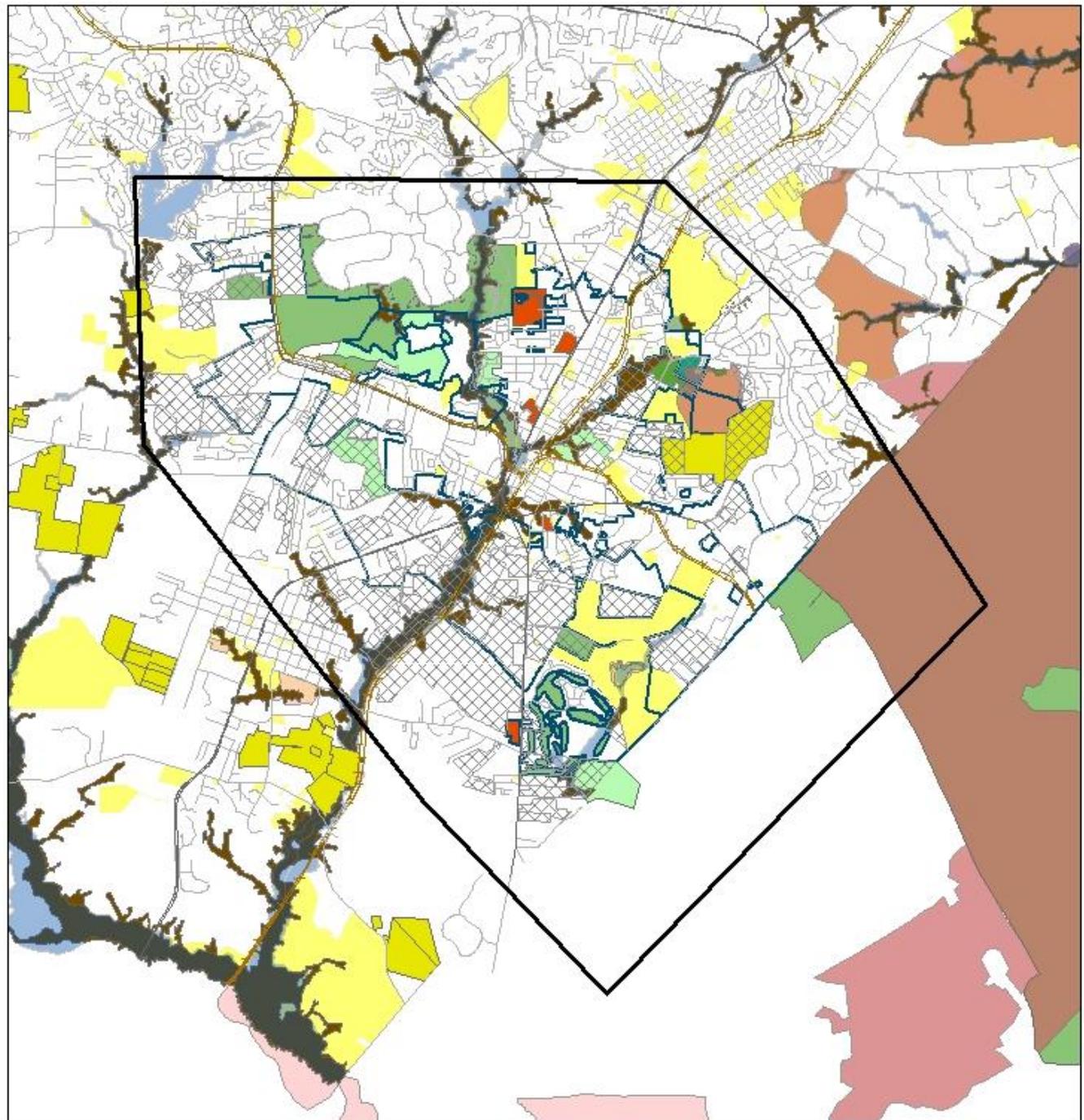
-  Exceptional
-  High
-  Tax Exempt Properties

Managed Lands

-  Federal
-  Local Government
-  Private
-  State

JLUS Protection Priorities

-  critical
-  important



Sustainability

3 E's

- Environment
- Economy
- Equity

Principles of Sustaining Places

1. Liveable built environment
2. Harmony with nature
3. Resilient economy
4. Interwoven equity
5. Healthy communities
6. Responsible regionalism
7. Authentic participation
8. Accountable implementation

Give Credit Where Credit is Due

- School Facilities Master Plan
- Moore County School Report Cards
- Mitch Silver, Chief Planning Officer, Raleigh
- US Census Bureau
- Office of State Budget and Management
- Population and Economy Study , October 1967
- Moore County Land Use Plan
- TJCOG
- 2030 Land Use Plan as Amended

Homework for LUPSC

- Read the SWOT analysis and summaries from other committee members before the mapping exercise at the next meeting

