

Quality Growth Planning in Utah:

The Envision Utah Process

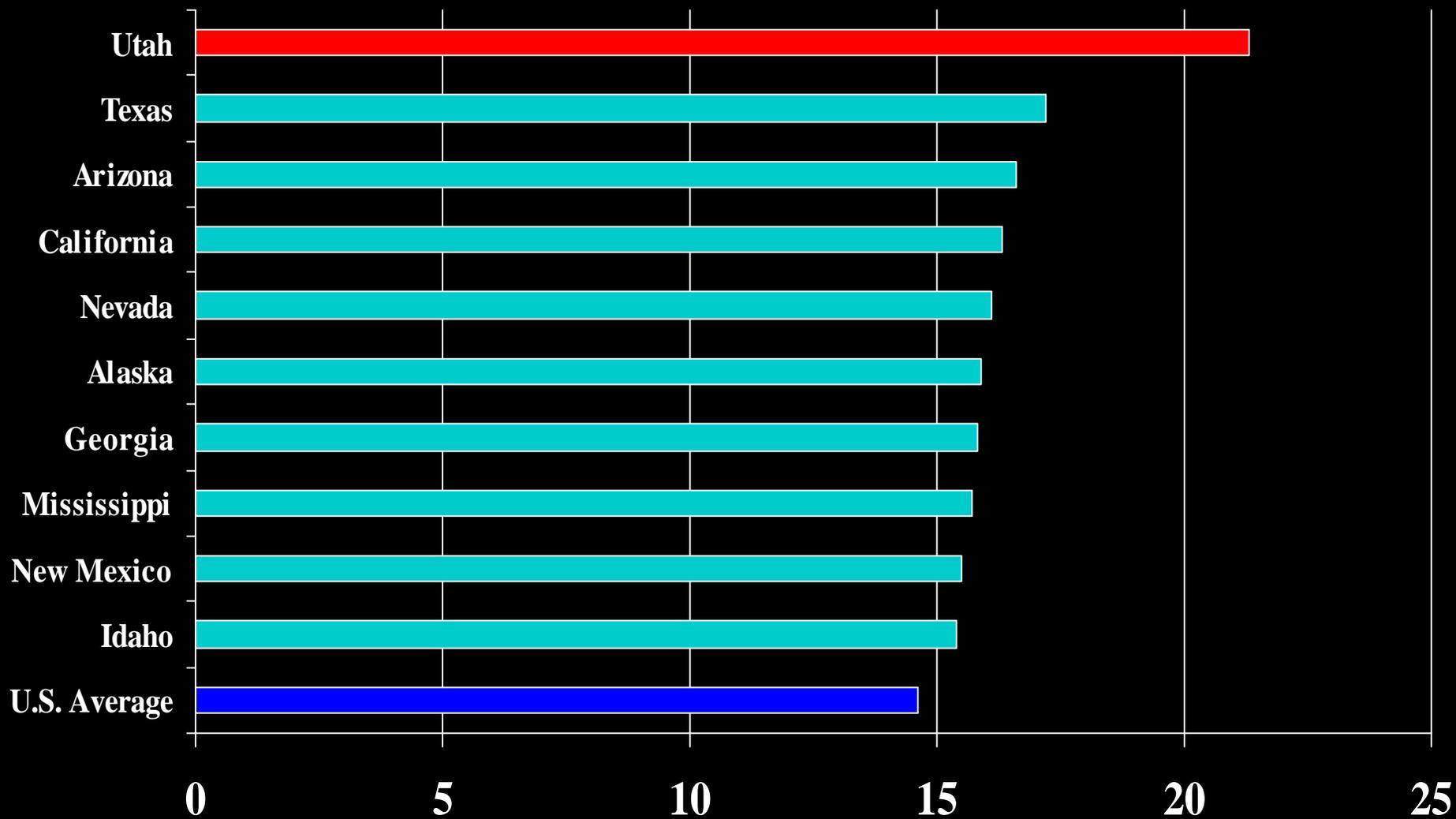
Presented by:

Natalie Gochnour

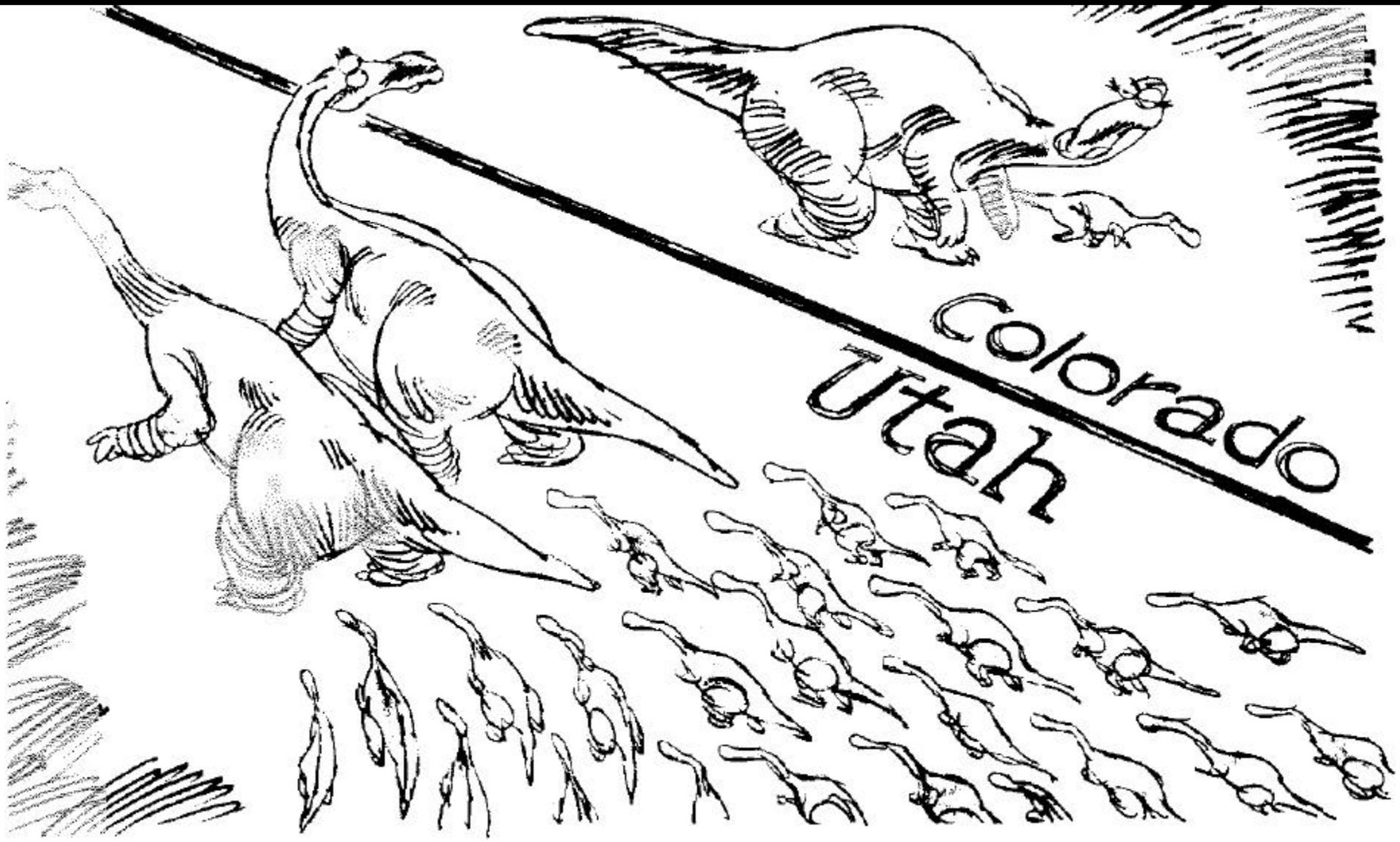
Utah Governor's Office of Planning and Budget

November 2000

Utah has the Highest Birth Rate in the Nation

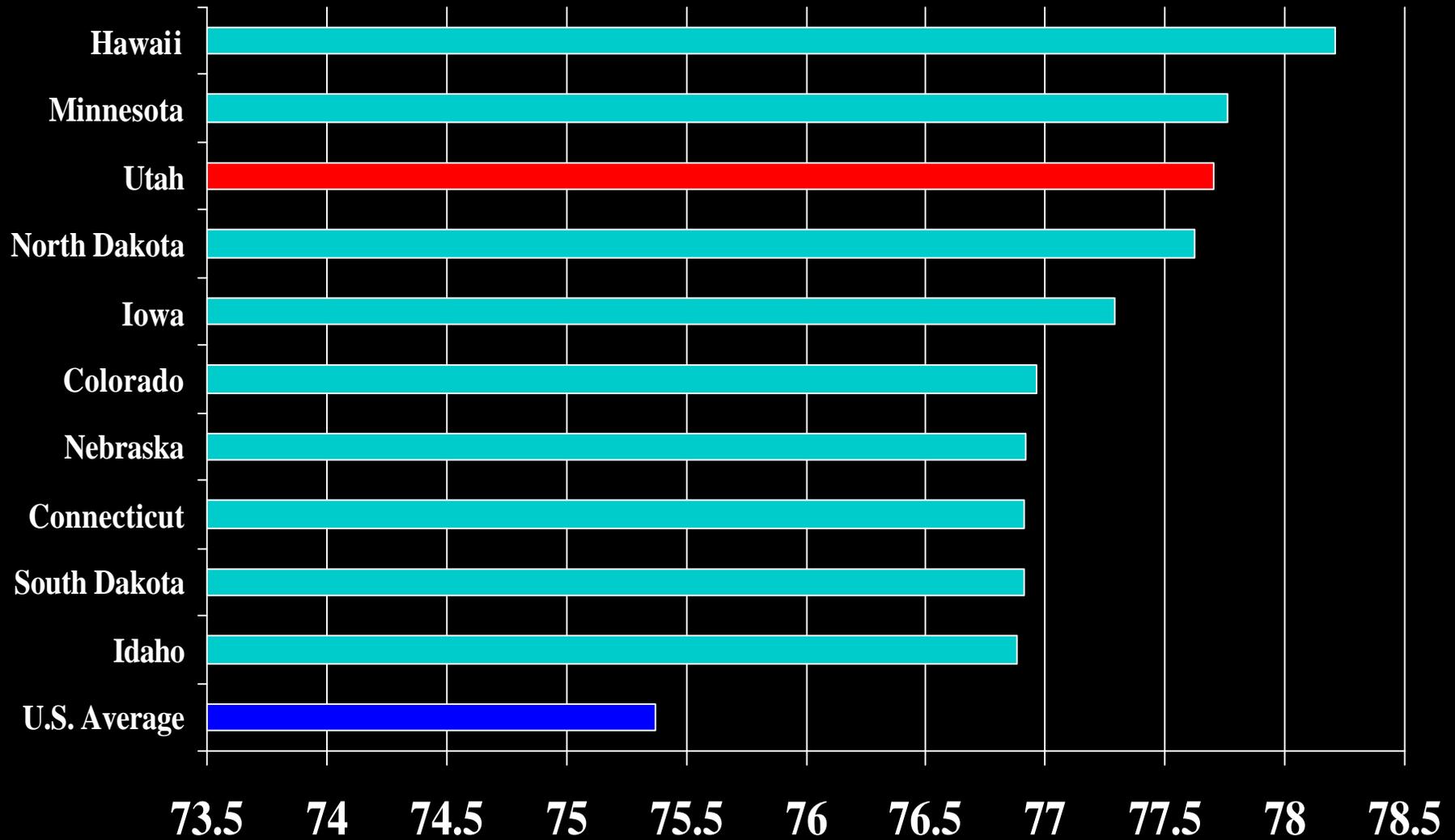


Births per 1,000 Population: Top 10 States 1997



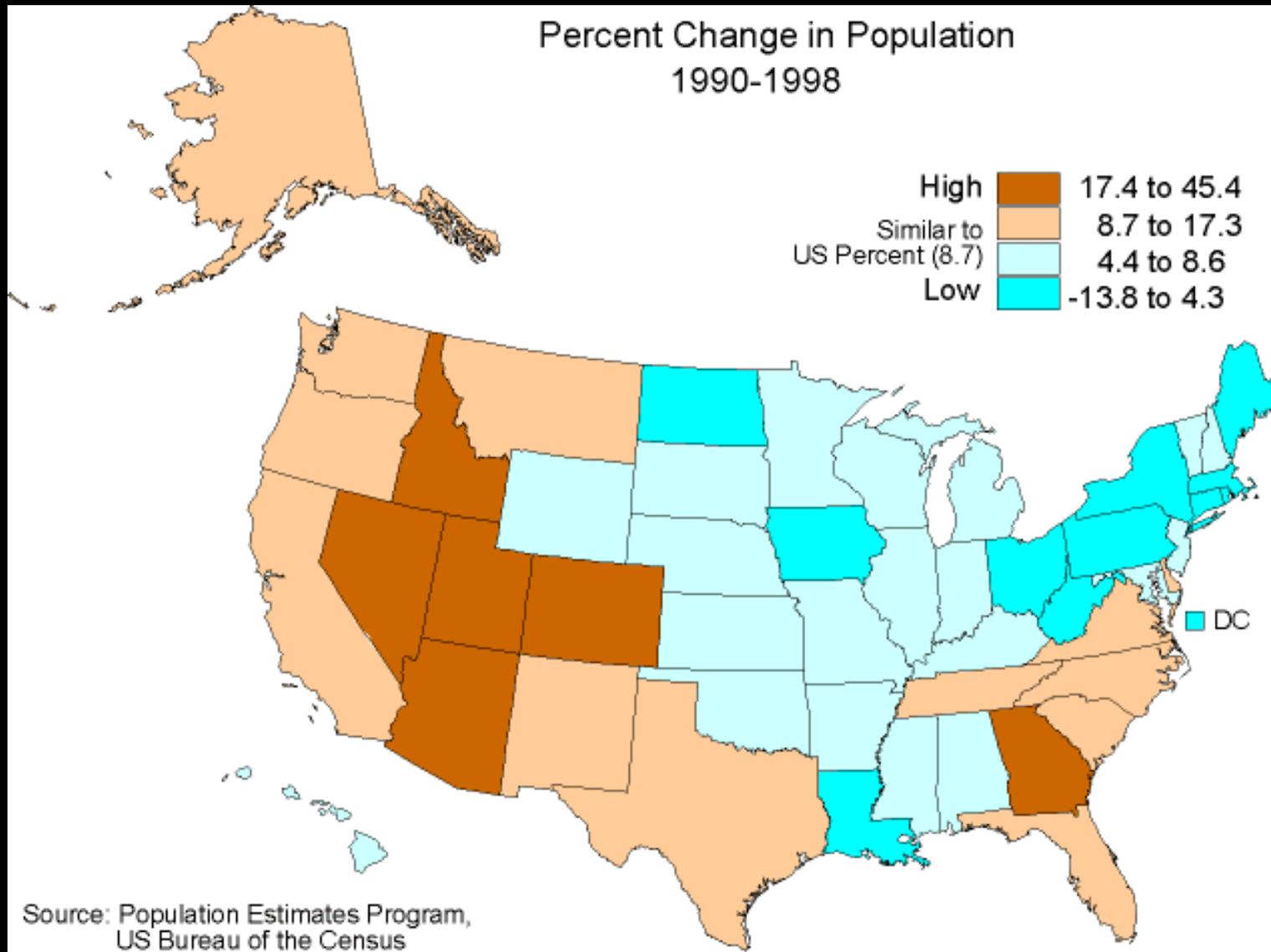
Utah
Colorado

Utahn's Have a Long Life Expectancy



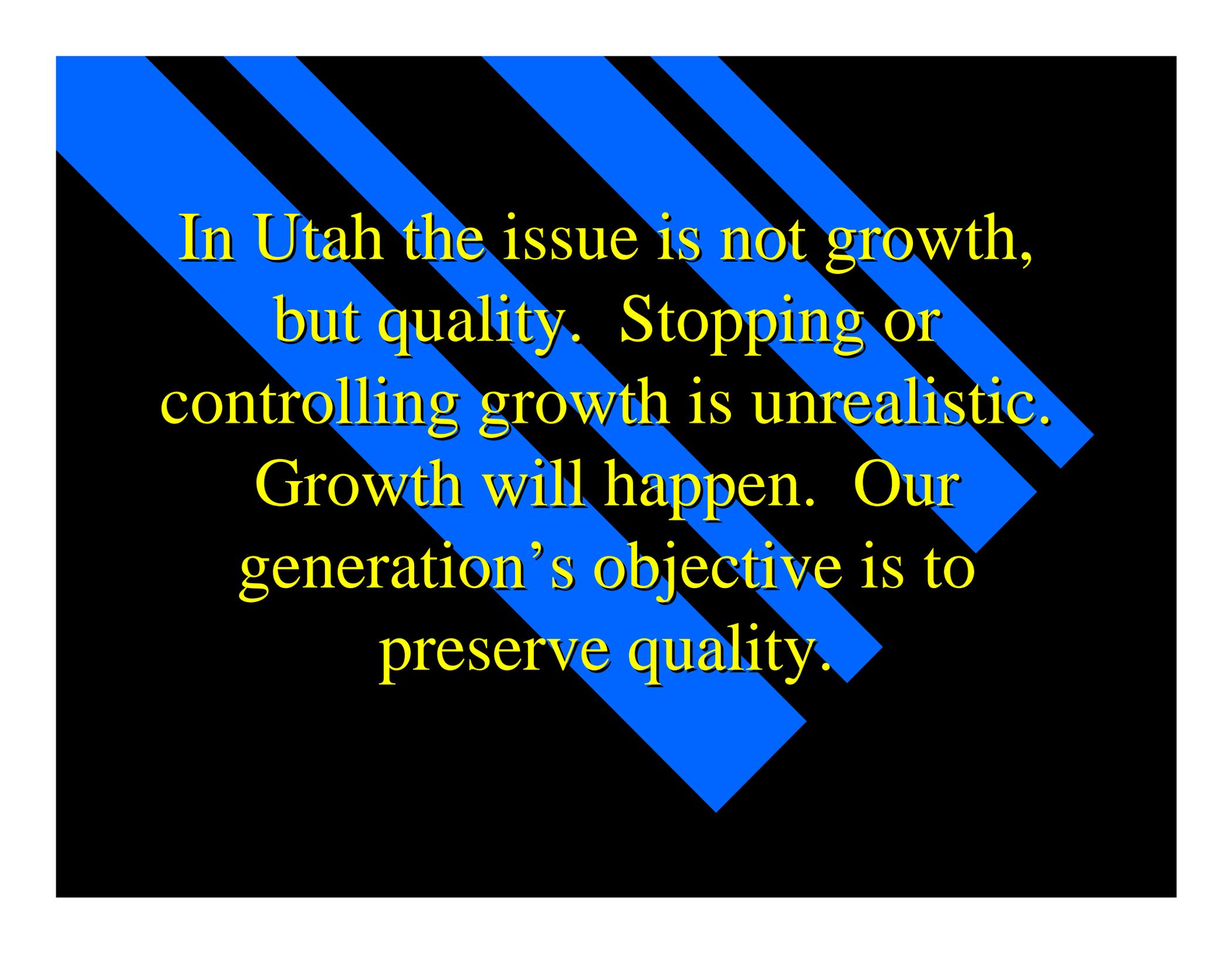
Average Lifetime in Years: Top Ten States

Utah is Right in the Center of the Nation's Fastest Growing Area



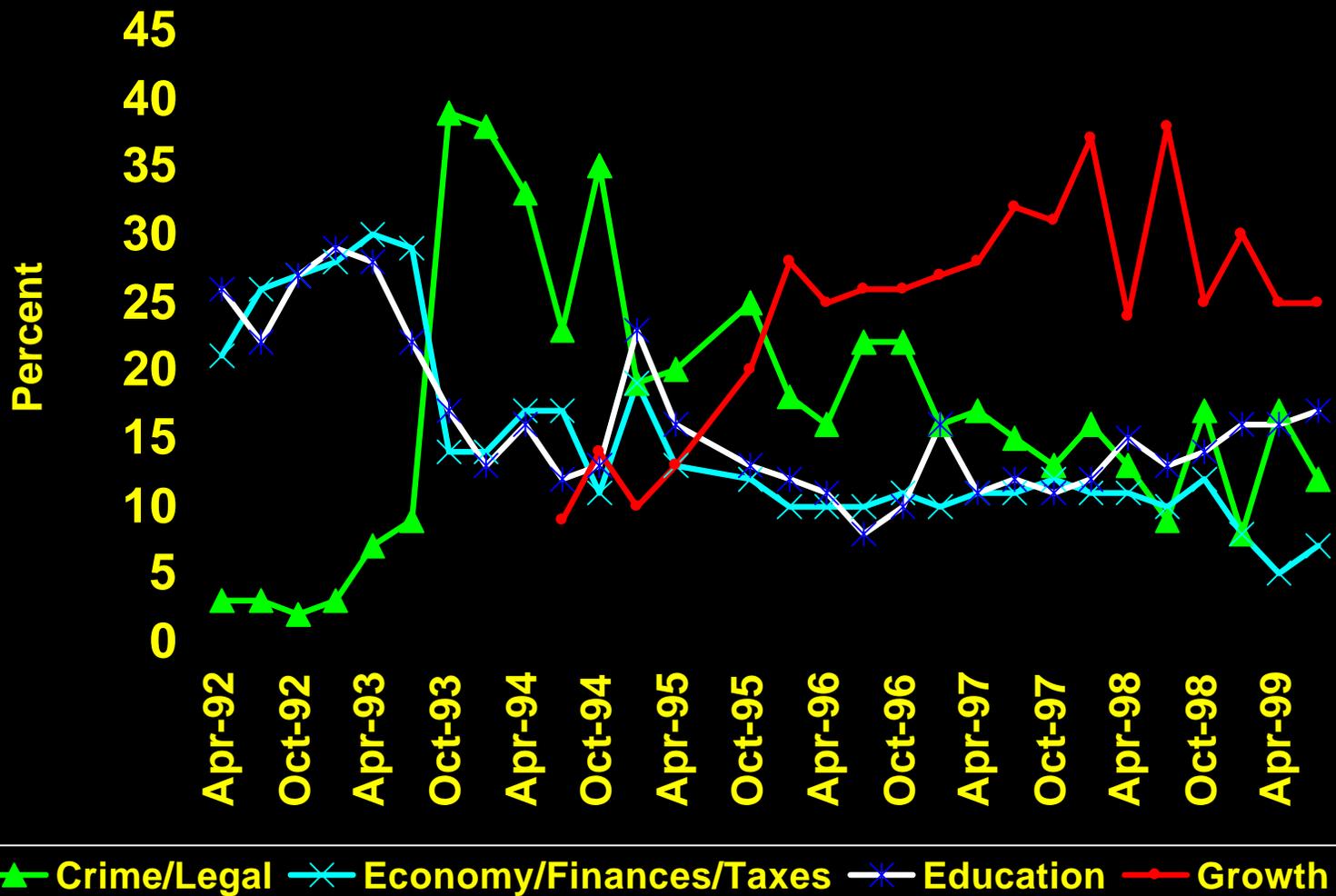






In Utah the issue is not growth,
but quality. Stopping or
controlling growth is unrealistic.
Growth will happen. Our
generation's objective is to
preserve quality.

The Public Views Growth as the Most Important Issue





" I call on every Utahn to participate in the Envision Utah process. It is an obligation of citizenship. The future is ours to define, but we must start with a vision. A vision that represents the collective view of each and every Utahn."

Governor Leavitt

Envision Utah: Working to Keep Utah Beautiful, Prosperous, and Neighborly

- Public/private community partnership
- Partnership includes 100+ partners from all facets of Utah life
- Multi-year, multi-million dollar effort
- Goal is to promote a Quality Growth Strategy which will help maintain the quality of our state



State and Local Government's Contribution to Envision Utah

- Public/Private Collaboration
- Public Outreach/ Education/ Involvement
- Expert Panels
- Scenario Development
- Publicly Supported Growth Strategy



Data Development

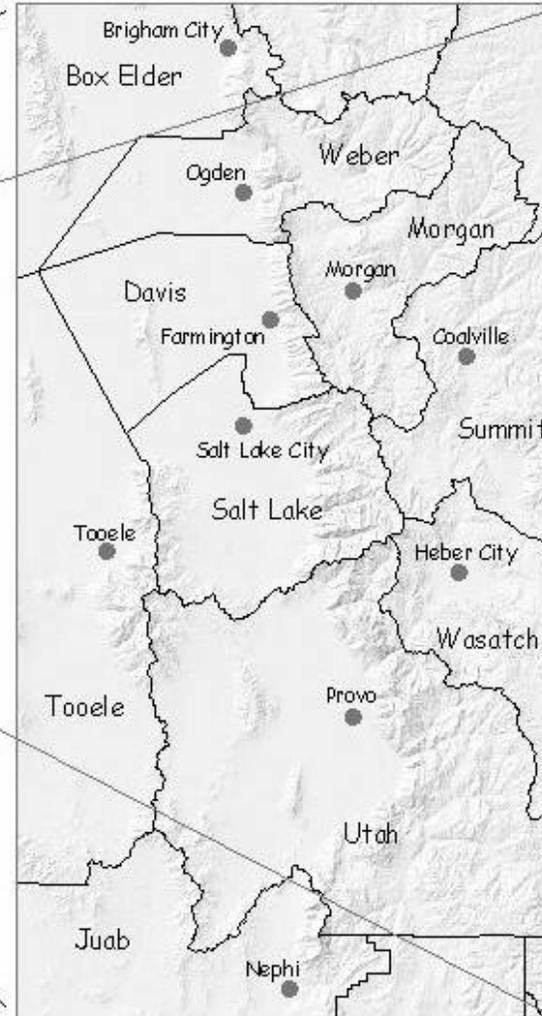
Mapping

Modeling

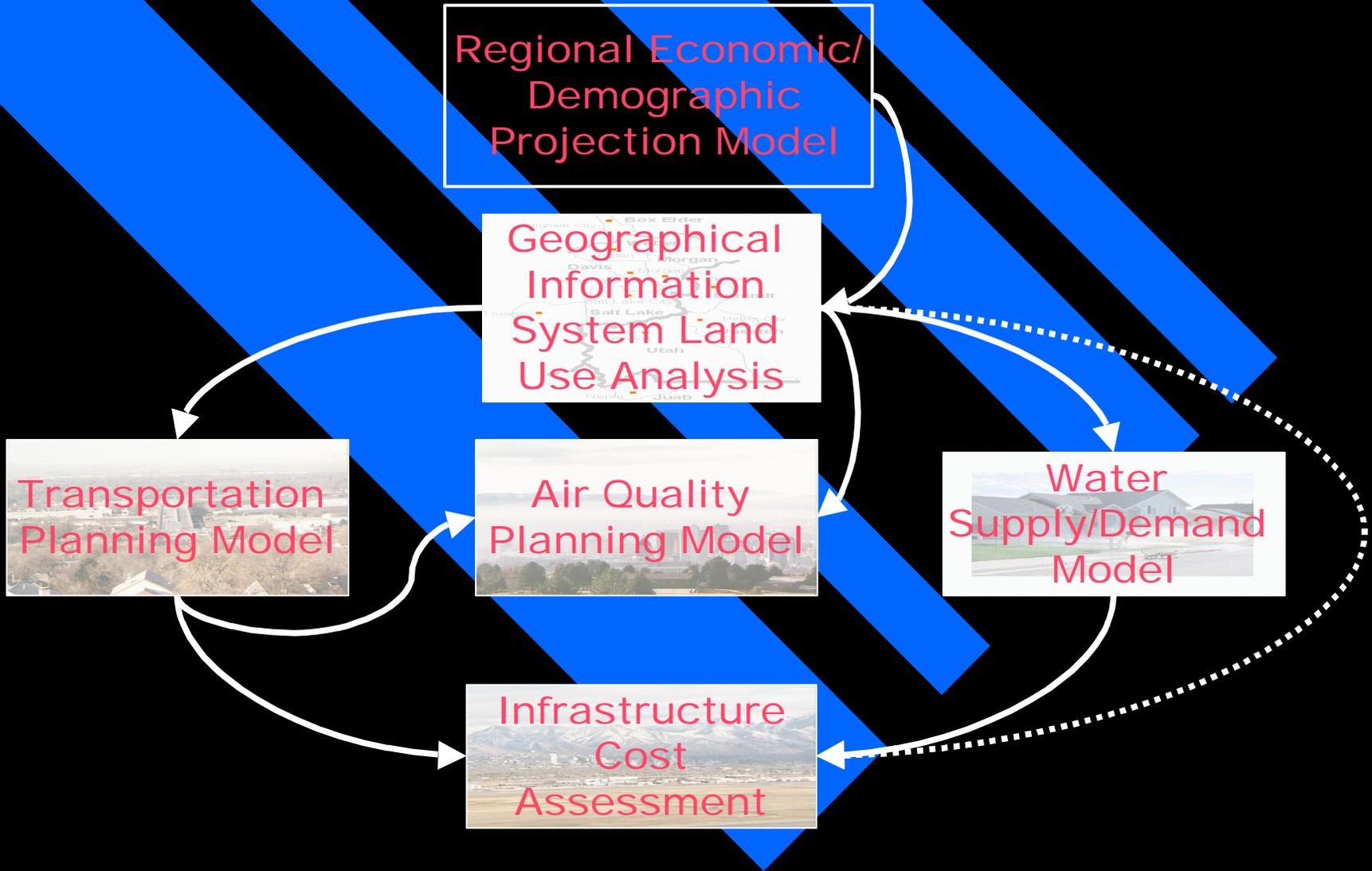
Study Area



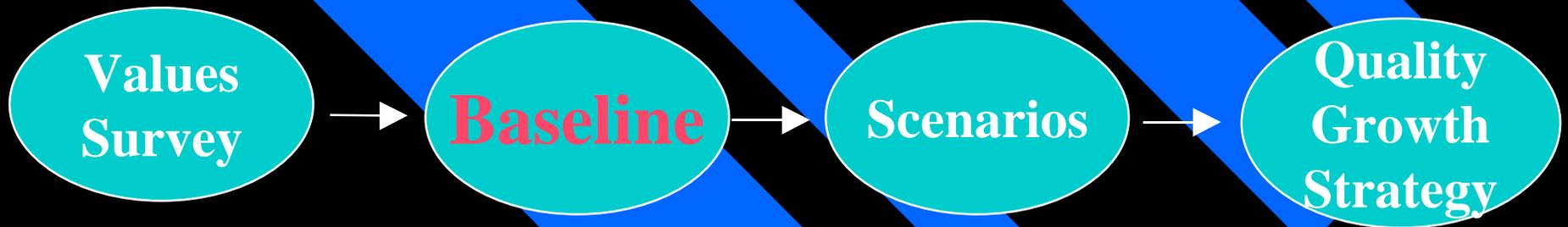
Greater Wasatch Area

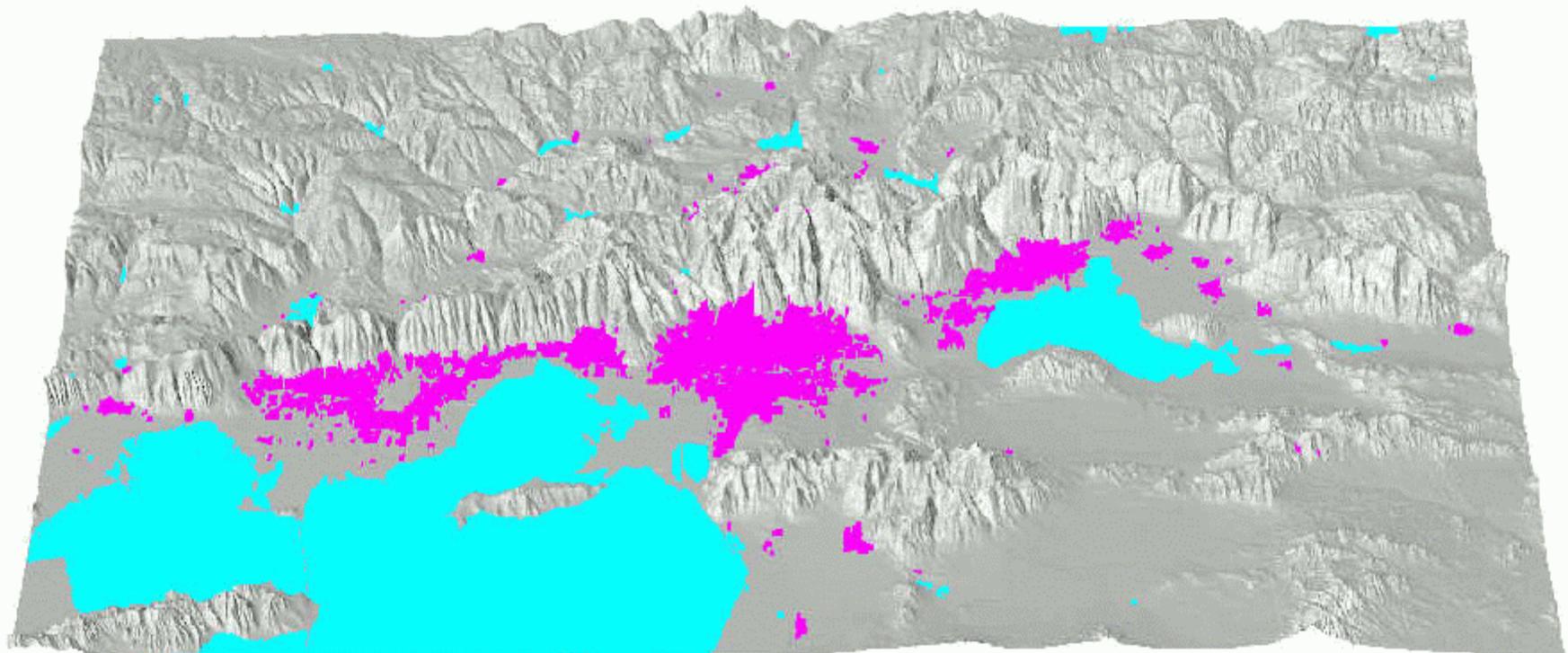


Envision Utah Modeling



Envision Utah Process



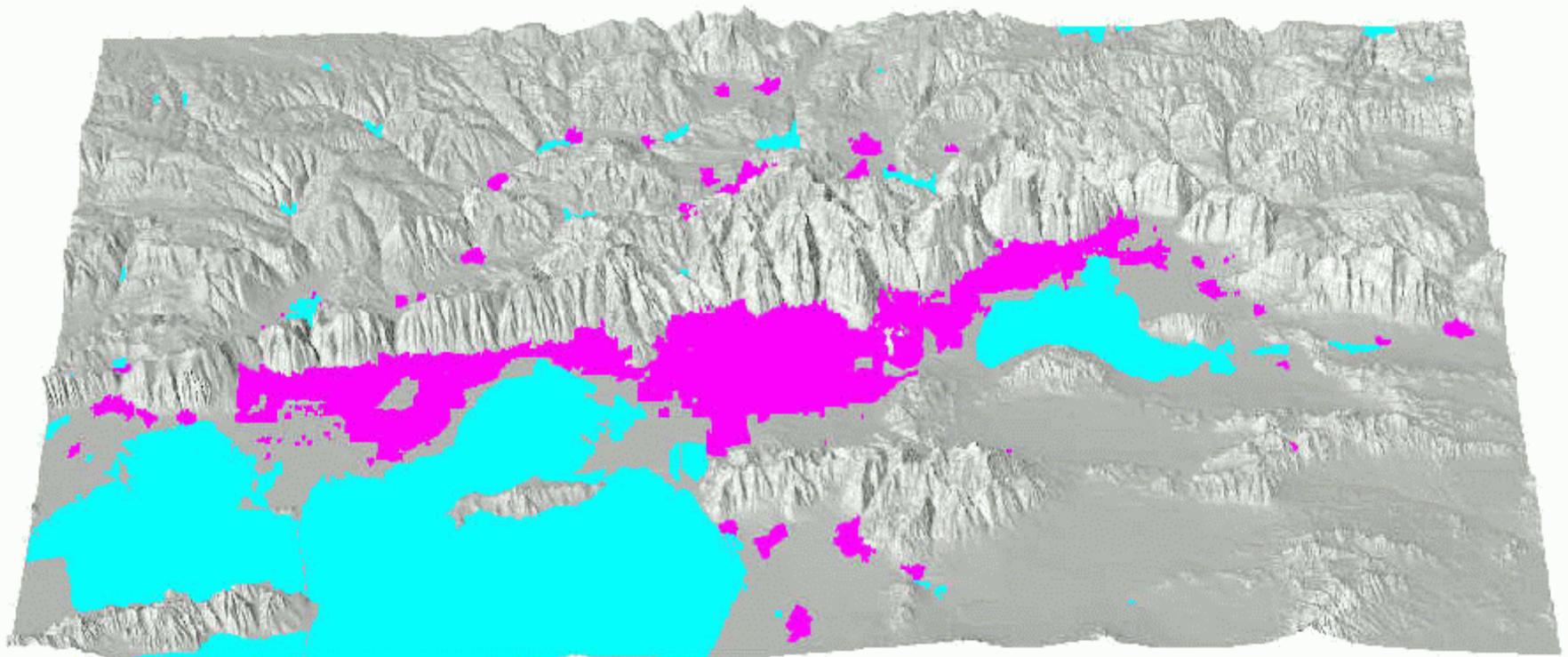


1995
Urban Area

Population 1.6 Million



QGET

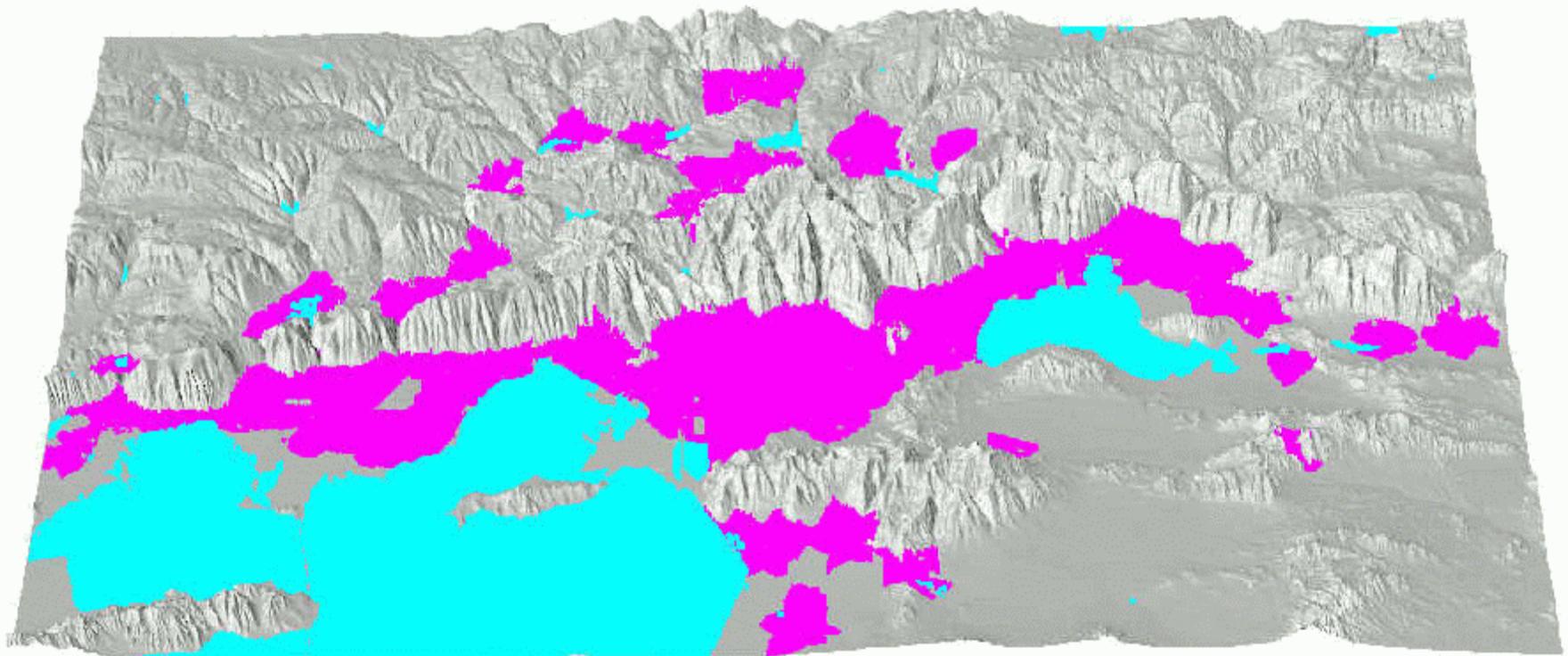


2020
Potential Urban Area

Population 2.7 Million



QGET



2050
Potential Urban Area

Population 5 Million



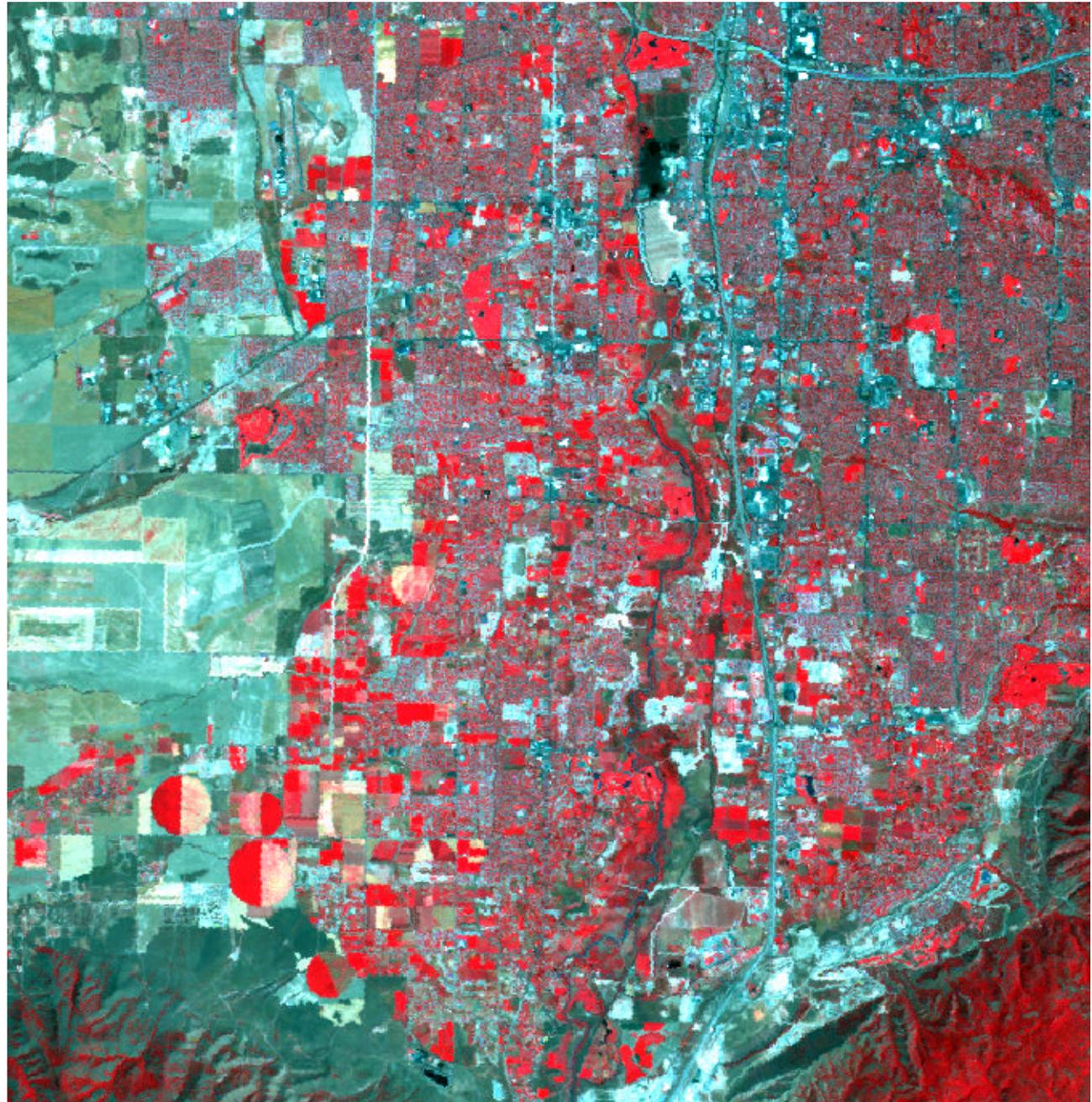
QGET

1972

1982

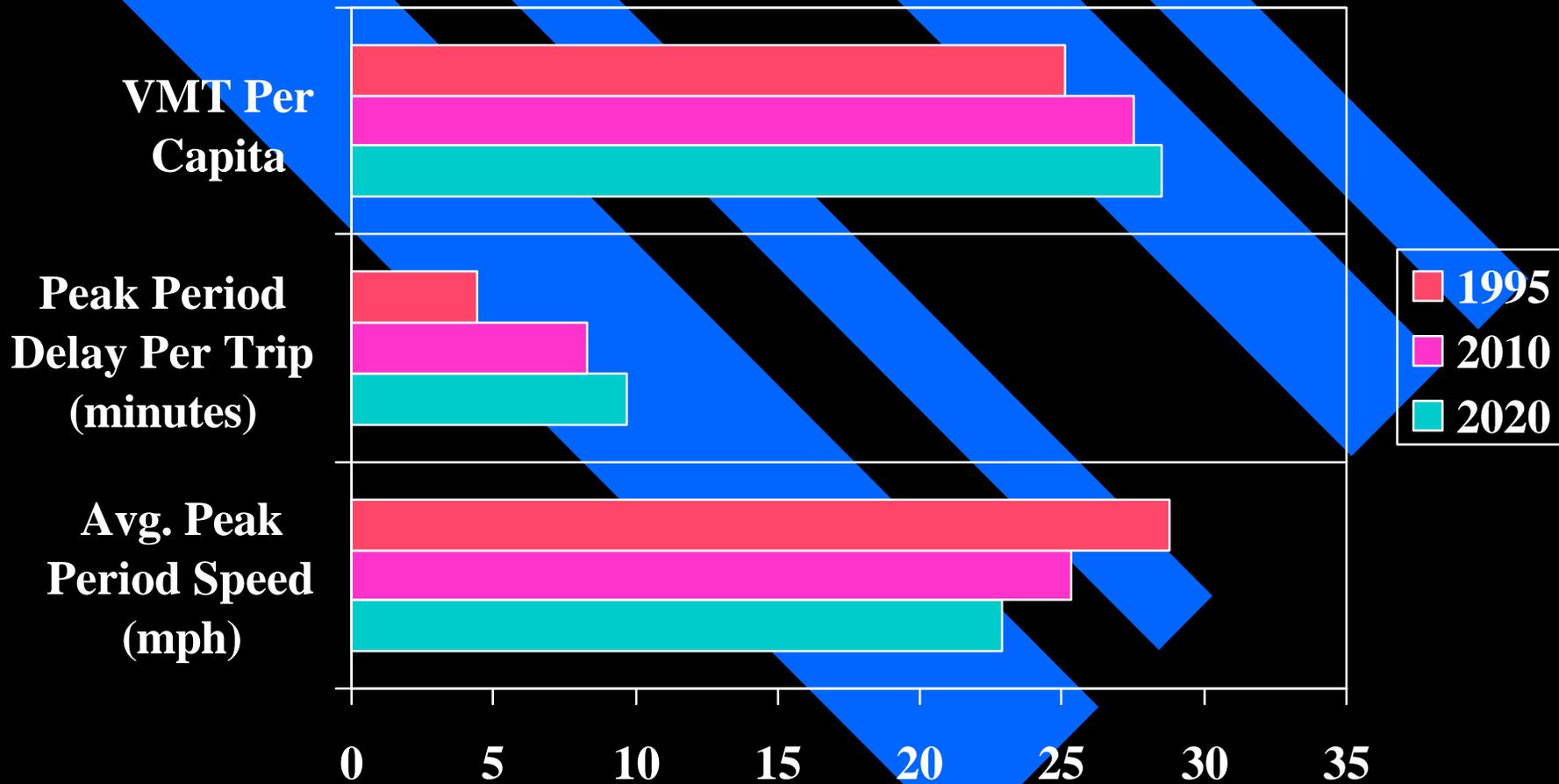
1993

1997

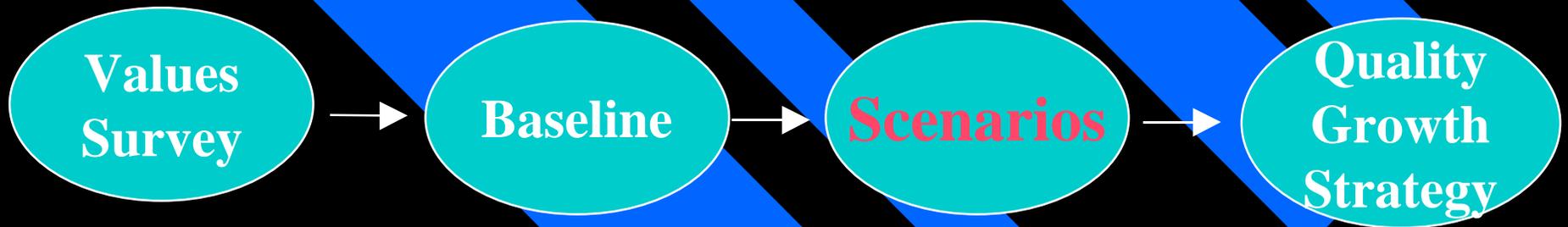


Transportation Characteristics

SLC-Provo Urbanized Area



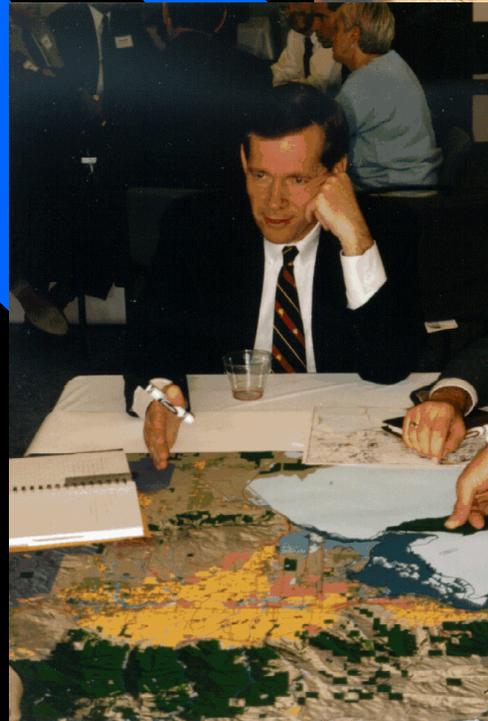
Envision Utah Process



Workshop #1

Where to Grow?

- What areas should be off limits?
- What areas are options for growth?
- How much land will be needed for future generations?



Workshop #2

How to Grow?

- What kind of communities make sense here?
- Will future communities be different?
- How can we make our communities more walkable?



Major Public Workshop Findings

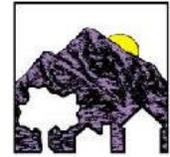
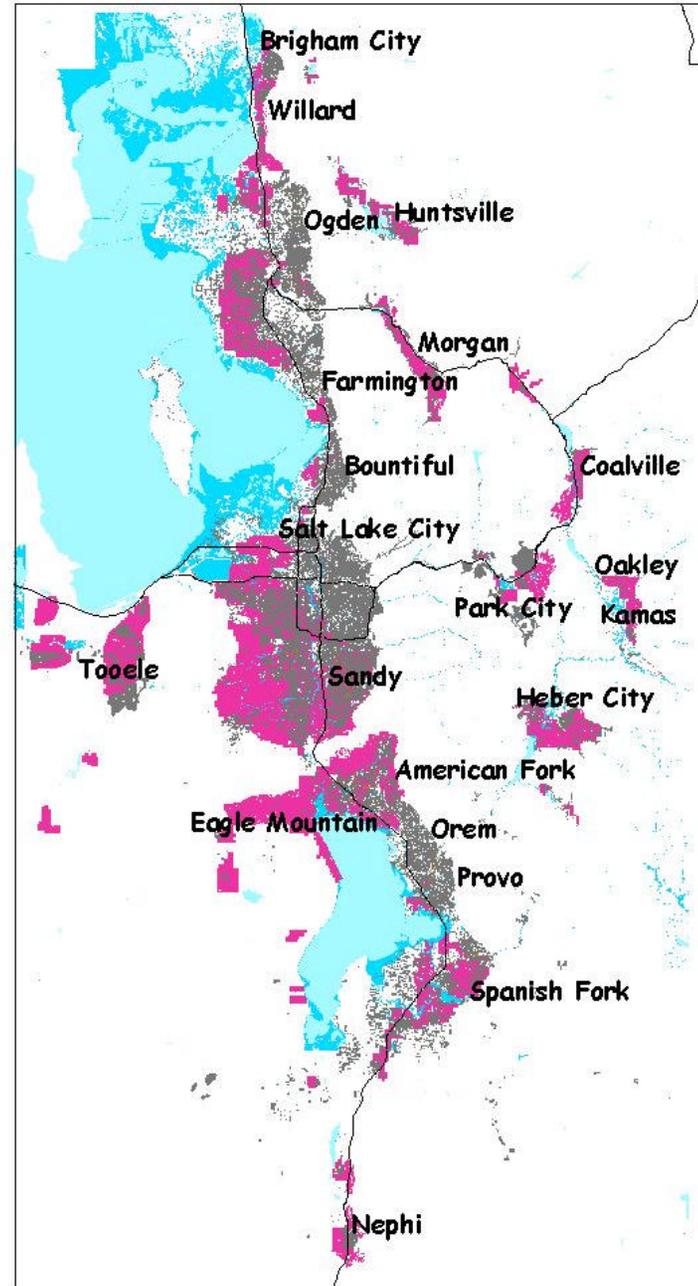
- **Infill** -- Participants preferred greater population numbers in infill areas than new expansion
- **Wasatch Back** -- Nearly all participants indicated that only minimal development should occur in the Wasatch Back
- **Rail Transit** -- Rail was seen as an essential component of the region's growth
- **Walkable** -- Participants expressed a general preference for walkable development
- **Critical Lands** -- Near general consensus that critical lands should be conserved



Scenario A

New and Existing Development

- Continuation of Recent Trends
- Larger lot sizes
- More auto-oriented development will occur.



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Scenario A

- Freeways
- New Development
- Existing Development
- Water Bodies
- Wetlands & Floodplain

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Calthorpe
Associates

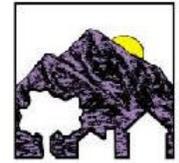
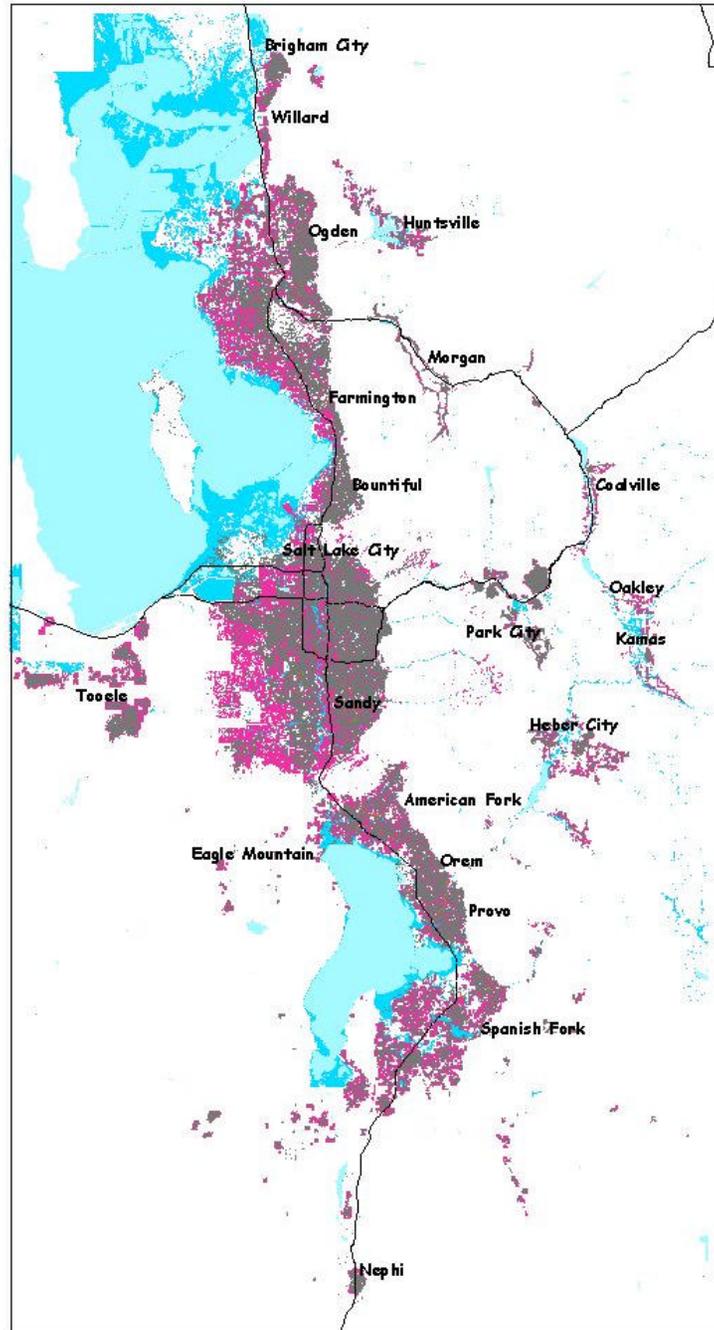
Regional and Urban Planning



Scenario B

New and Existing Development

- Baseline - implement adopted plans
- Dispersed development pattern common in last 20-30 years



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Scenario B

- Freeways
- New Development
- Existing Development
- Water Bodies
- Wetlands & Floodplain

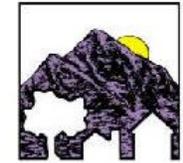
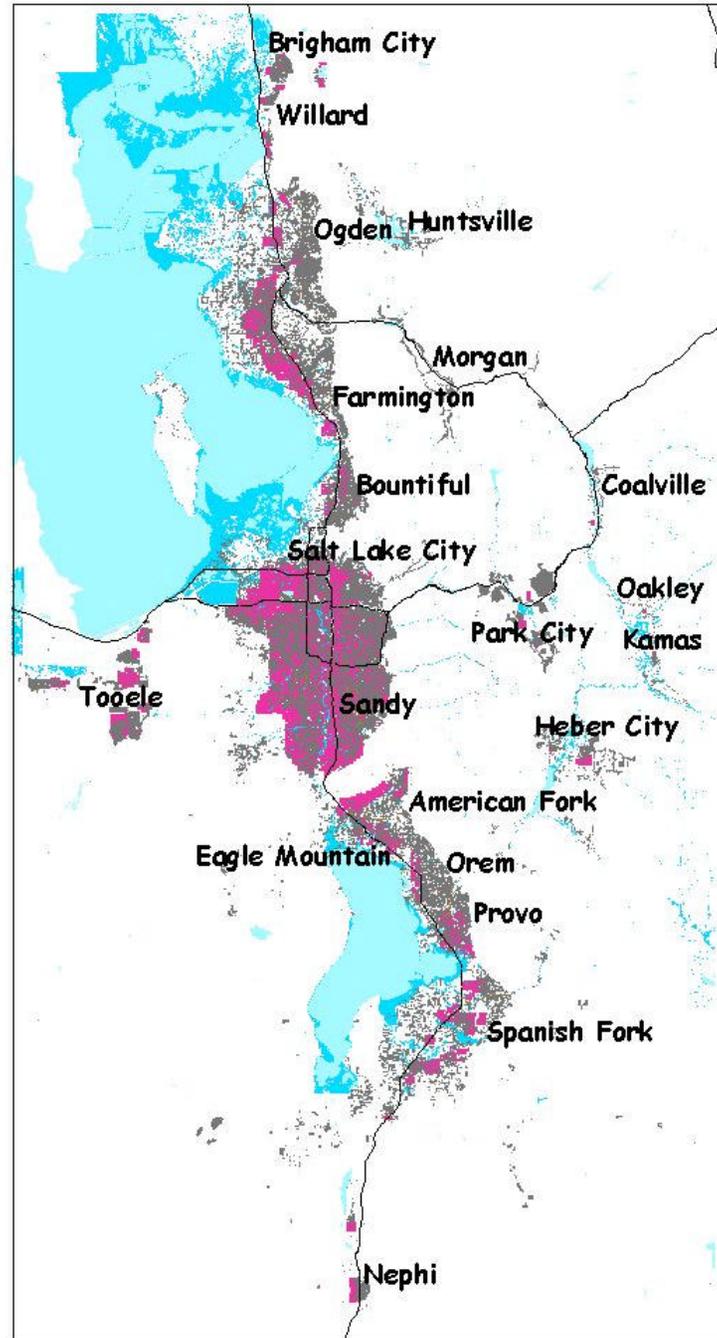
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Scenario C

New and Existing Development

- More infill and redevelopment
- Growth on new land focused into walkable, transit-oriented communities



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Scenario C

- Freeways
- New Development
- Existing Development
- Water Bodies
- Wetlands & Floodplain

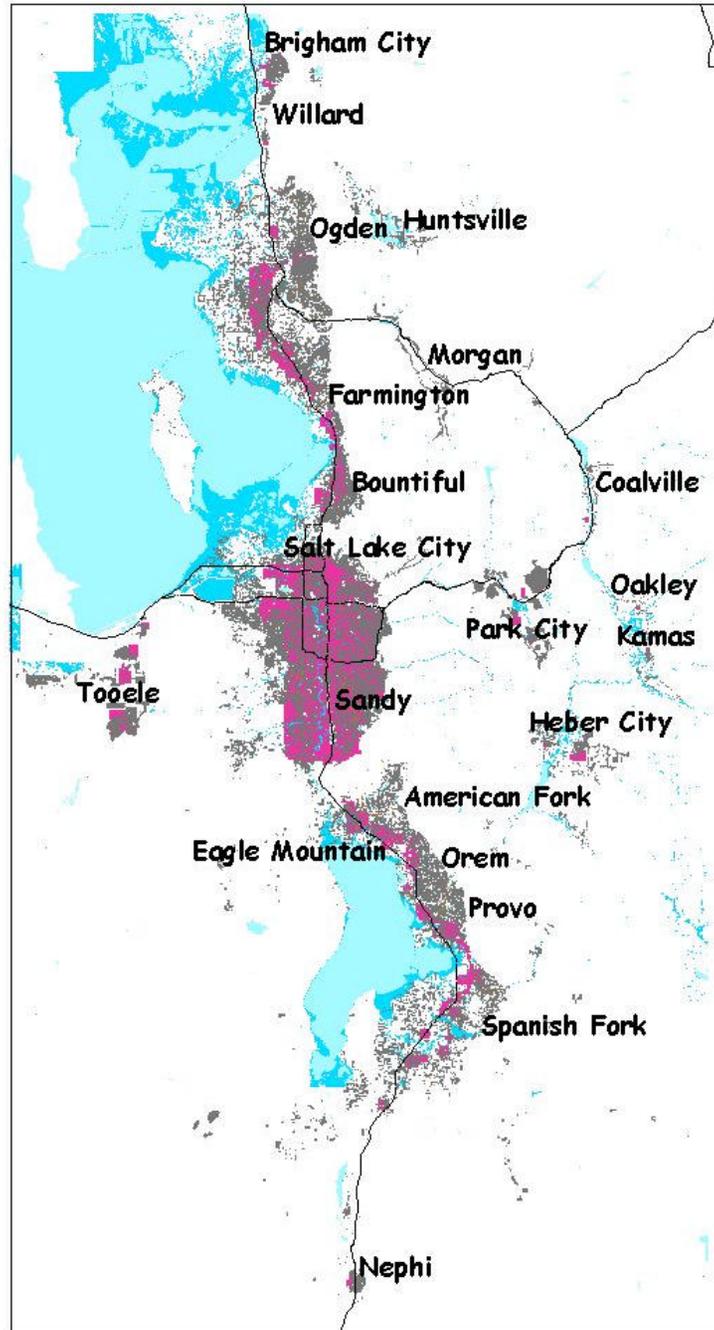
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Scenario D

New and Existing Development

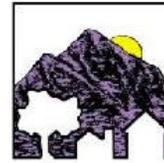
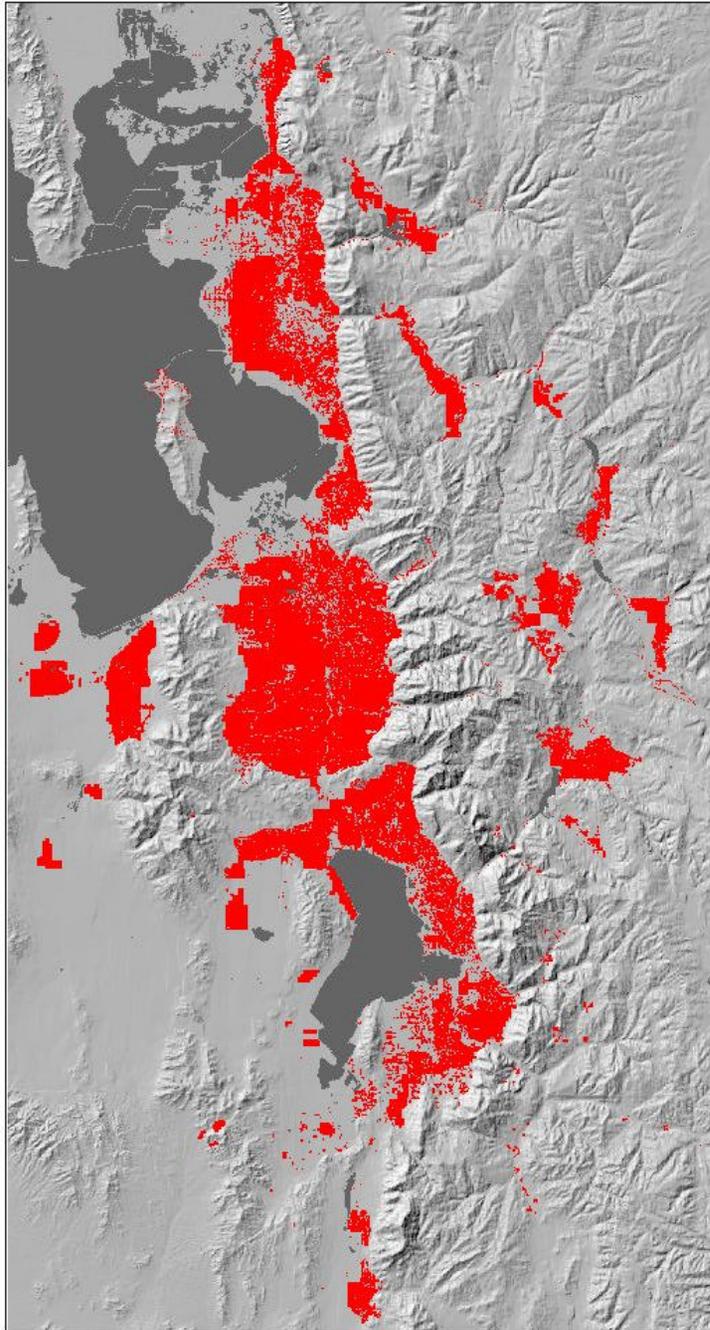
- Significant increase in densities
- Extensive infill and redevelopment
- Extensive transit system



Scenario D

- Freeways
- New Development
- Existing Development
- Water Bodies
- Wetlands & Floodplain





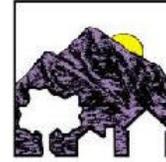
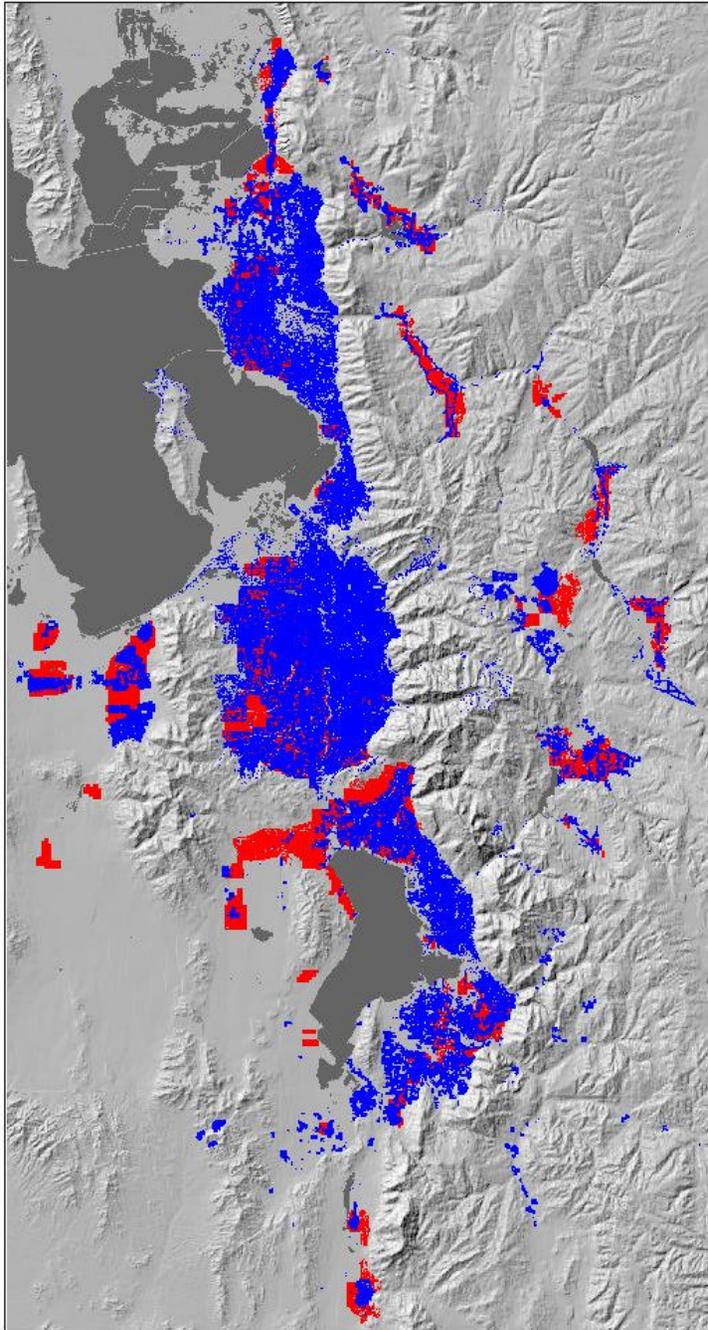
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Developed
Area

 Scenario A

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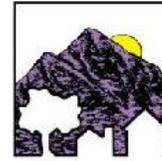
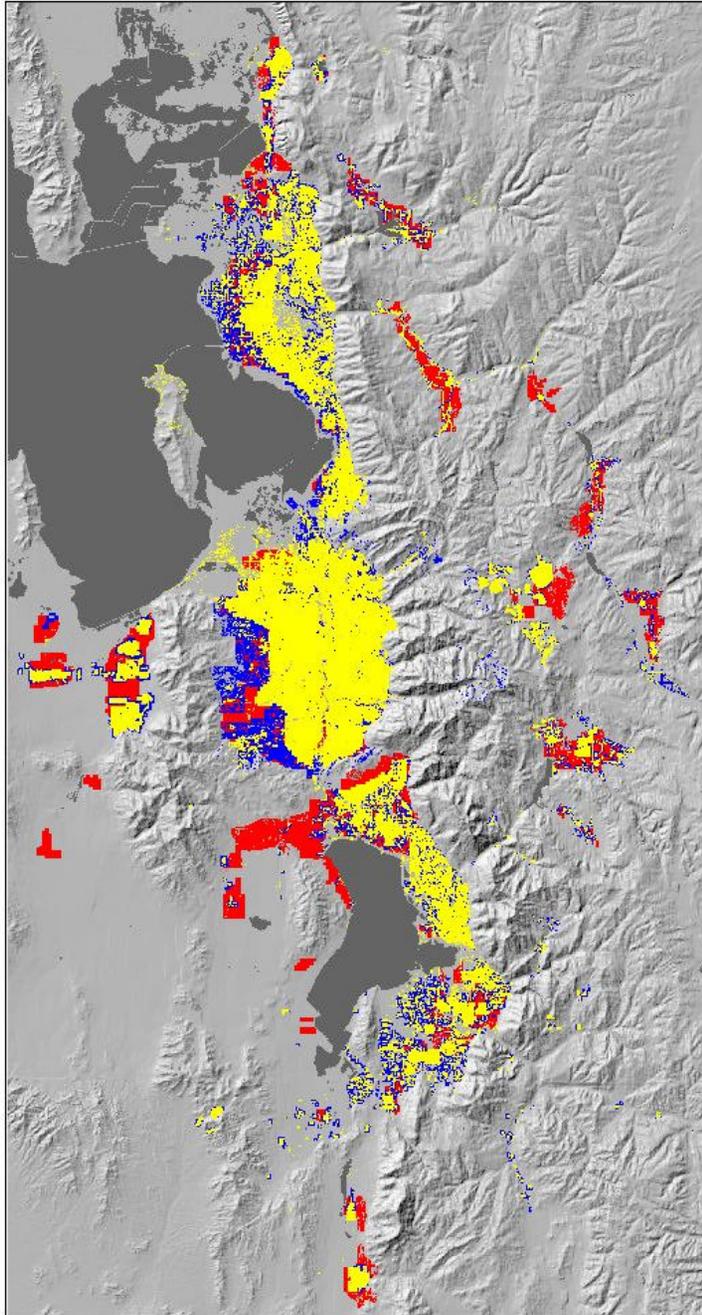
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Developed Area

-  Scenario A
-  Scenario B

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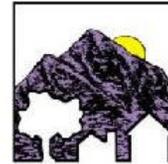
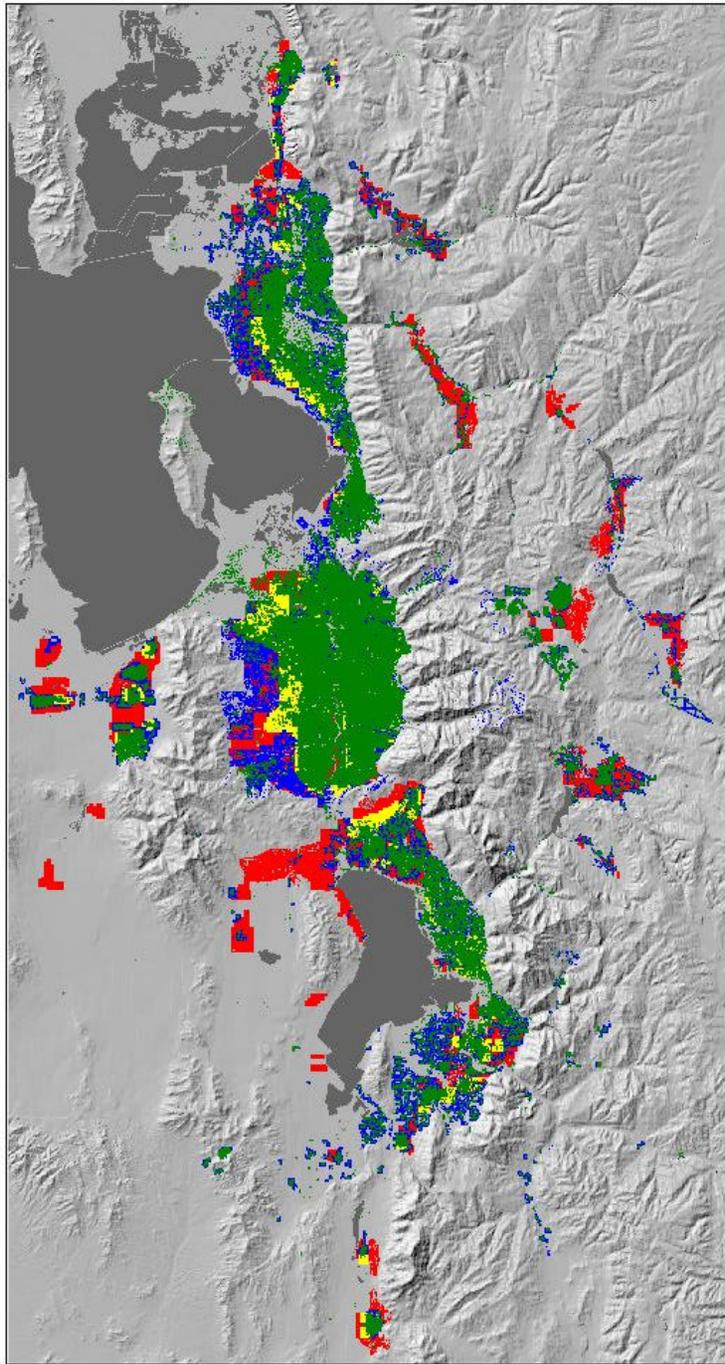
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Developed Area

-  Scenario A
-  Scenario B
-  Scenario C

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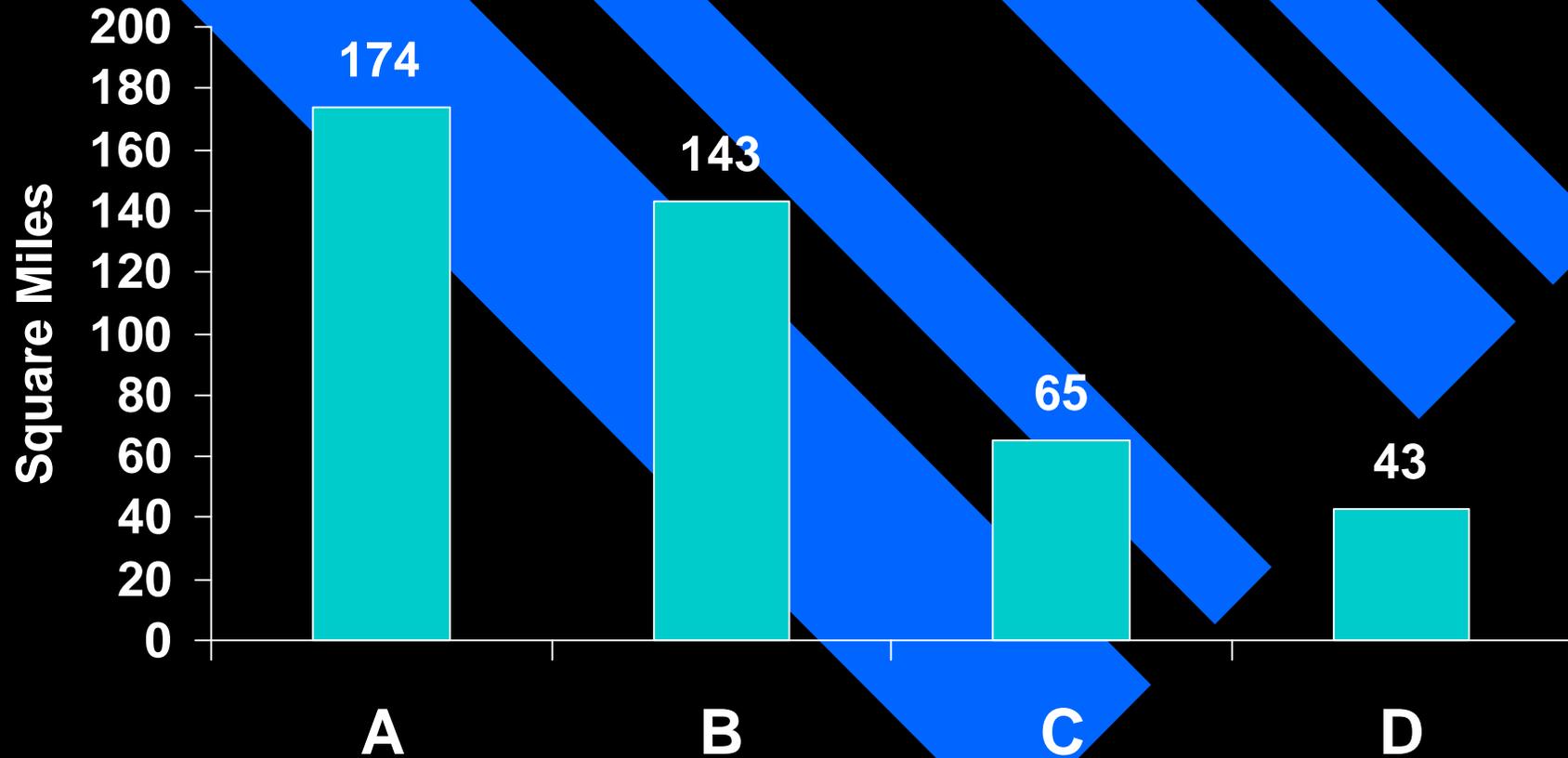
Developed Area

-  Scenario A
-  Scenario B
-  Scenario C
-  Scenario D

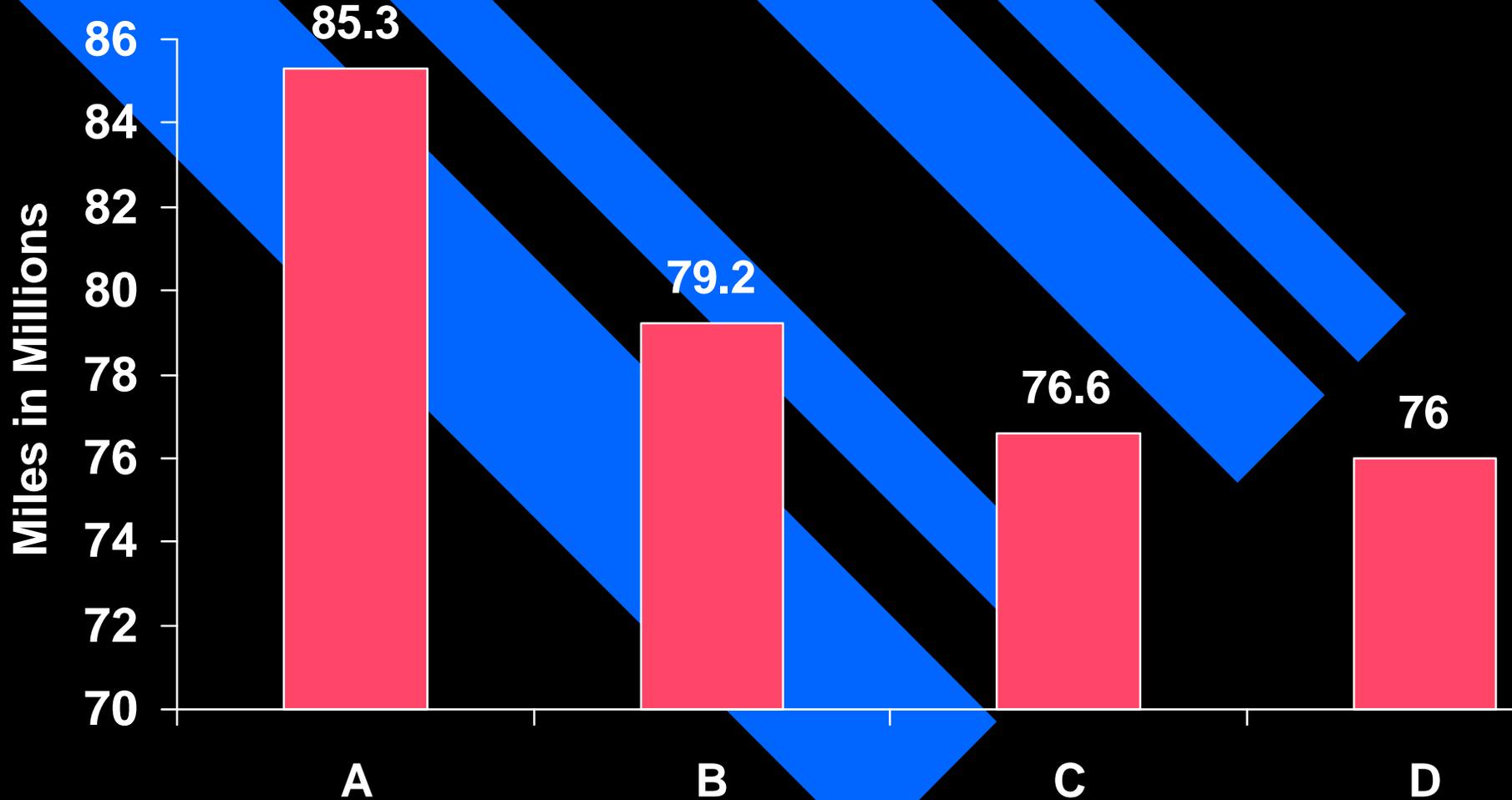
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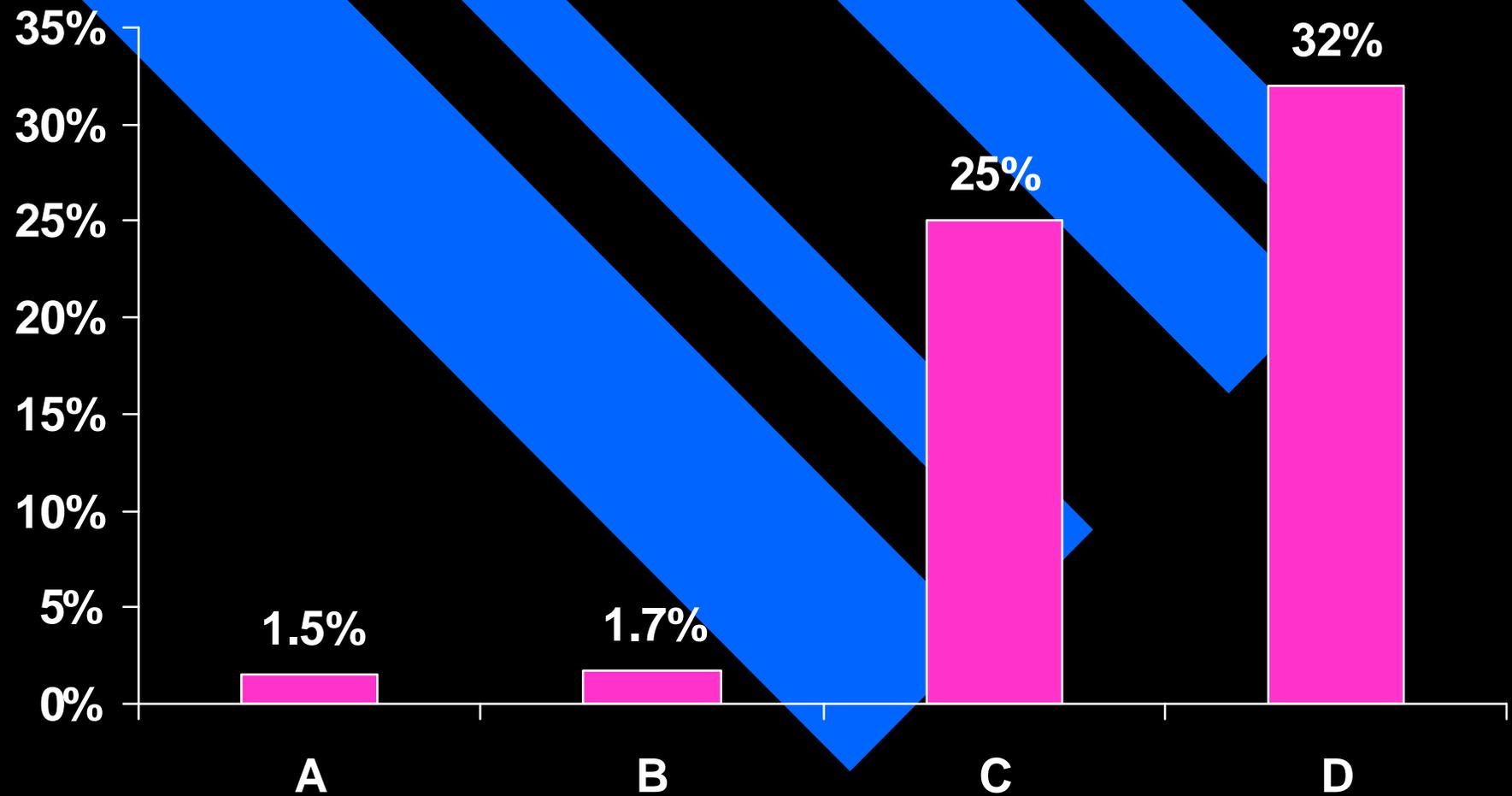
Farm Land Converted to Urban Use by 2020



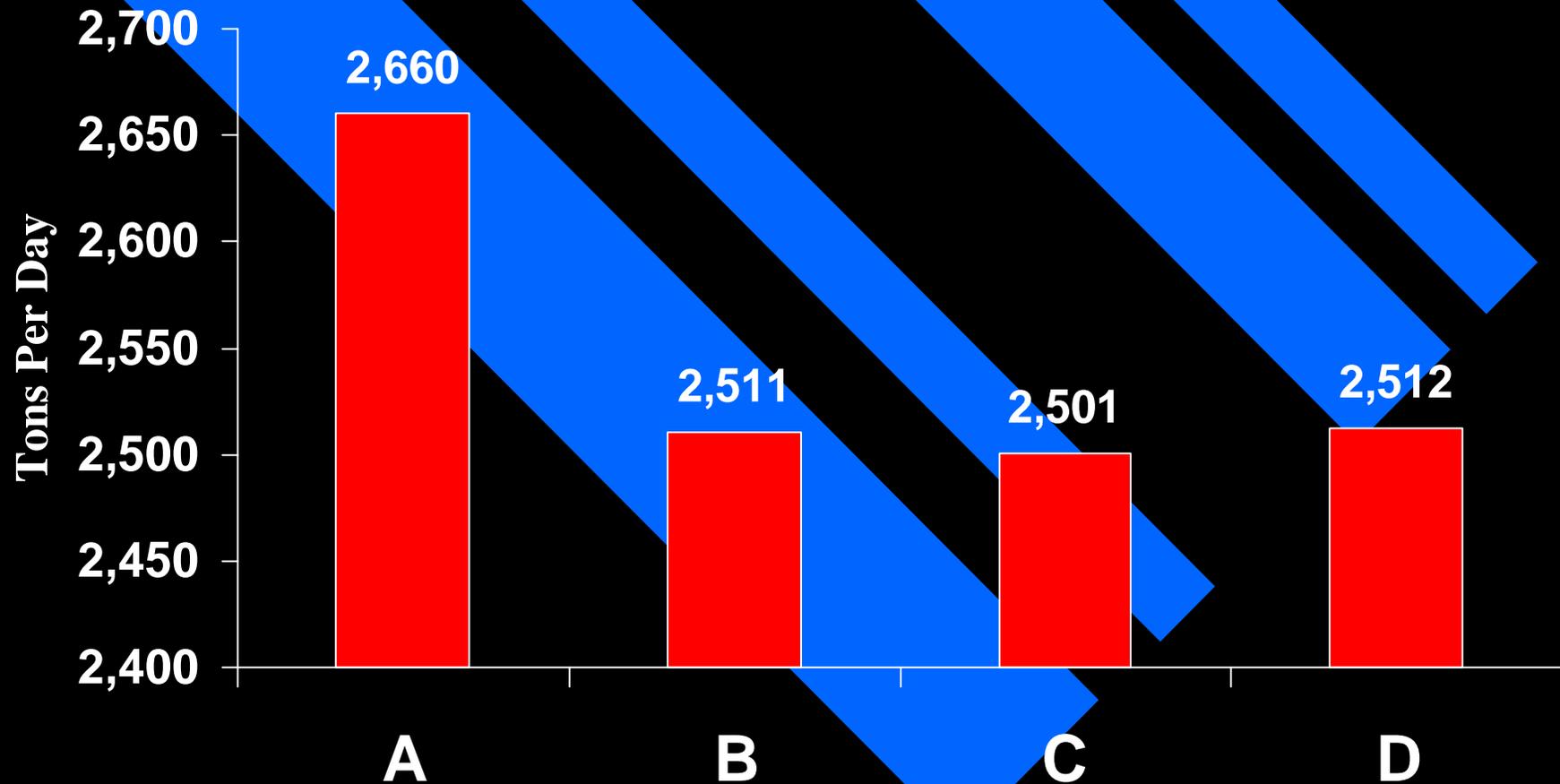
Vehicle Miles of Travel Per Day



Percentage of Population Within 1/2 Mile of Rail Transit: 2020

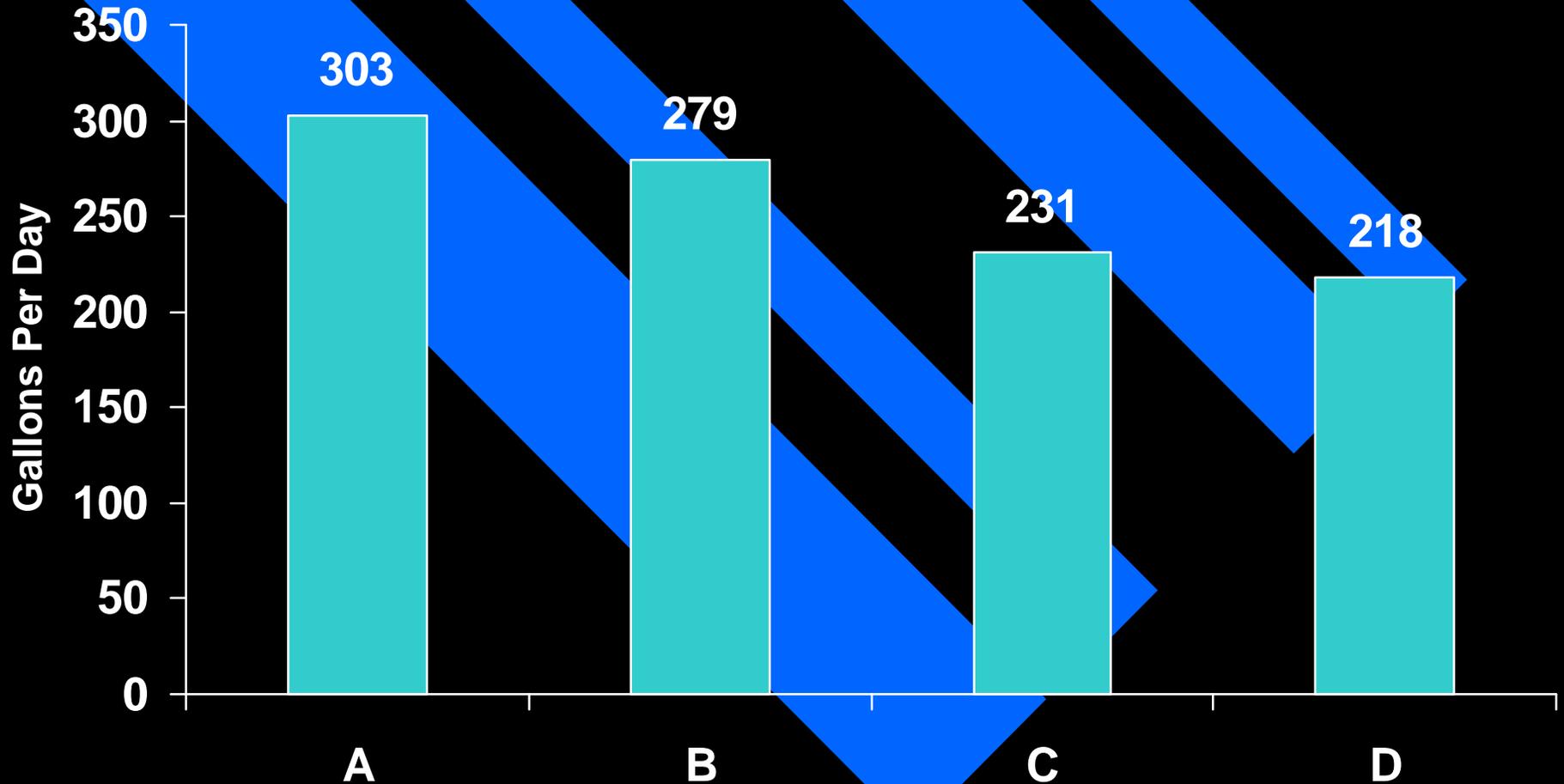


Total Emissions

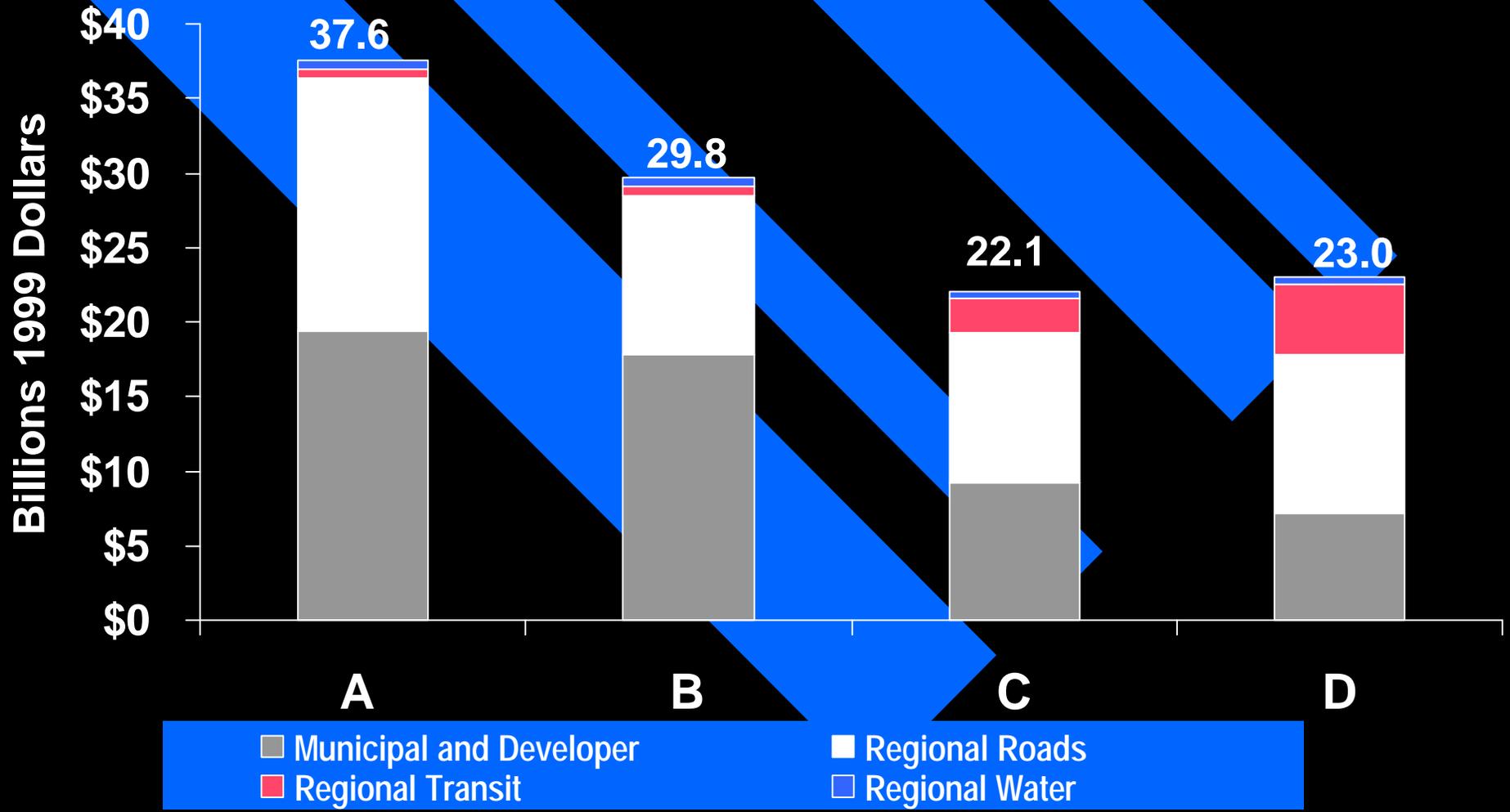


Analysis

Per Capita Water Use: 2020



Total Infrastructure Costs



**“The Envision Utah
Scenarios forced people
to make choices they
didn’t want to make.”**

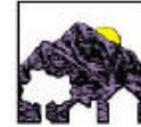
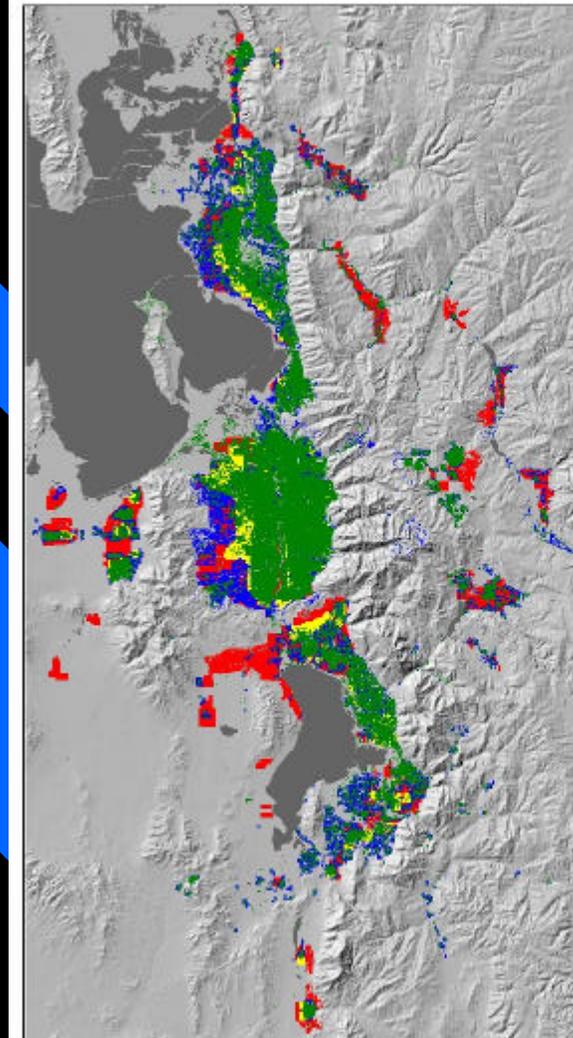
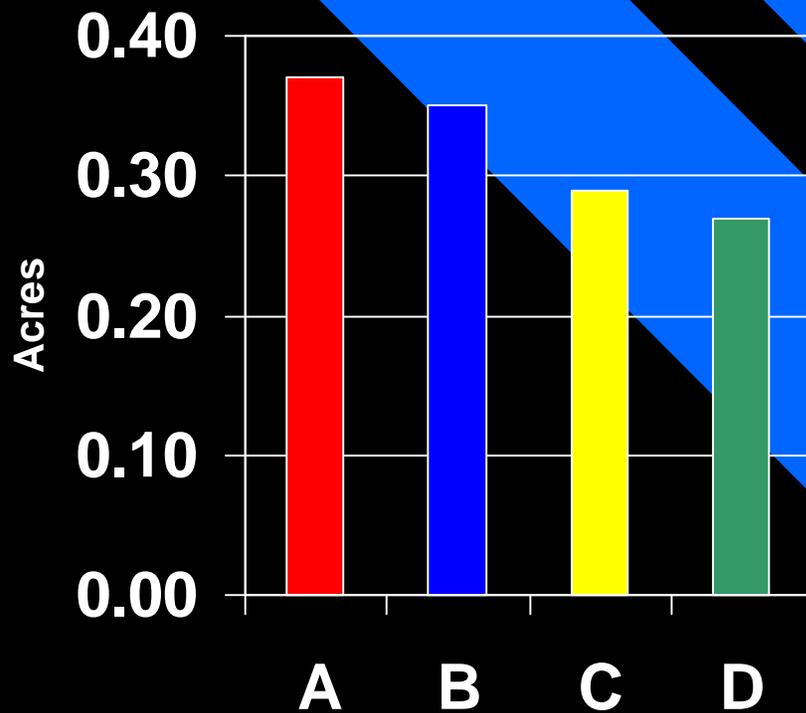
Dan Lofgren, Envision Utah Partner

Observations About Public Reaction to Scenarios

- Complexity of issues caused some misunderstandings
- Some people felt frustrated
- Inherent conflicts emerged
- Distinct realization that choices have consequences and you can't have it all

Large Lot Size and Conservation of Open Space

Average Single Family Lot Size



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Developed
Area

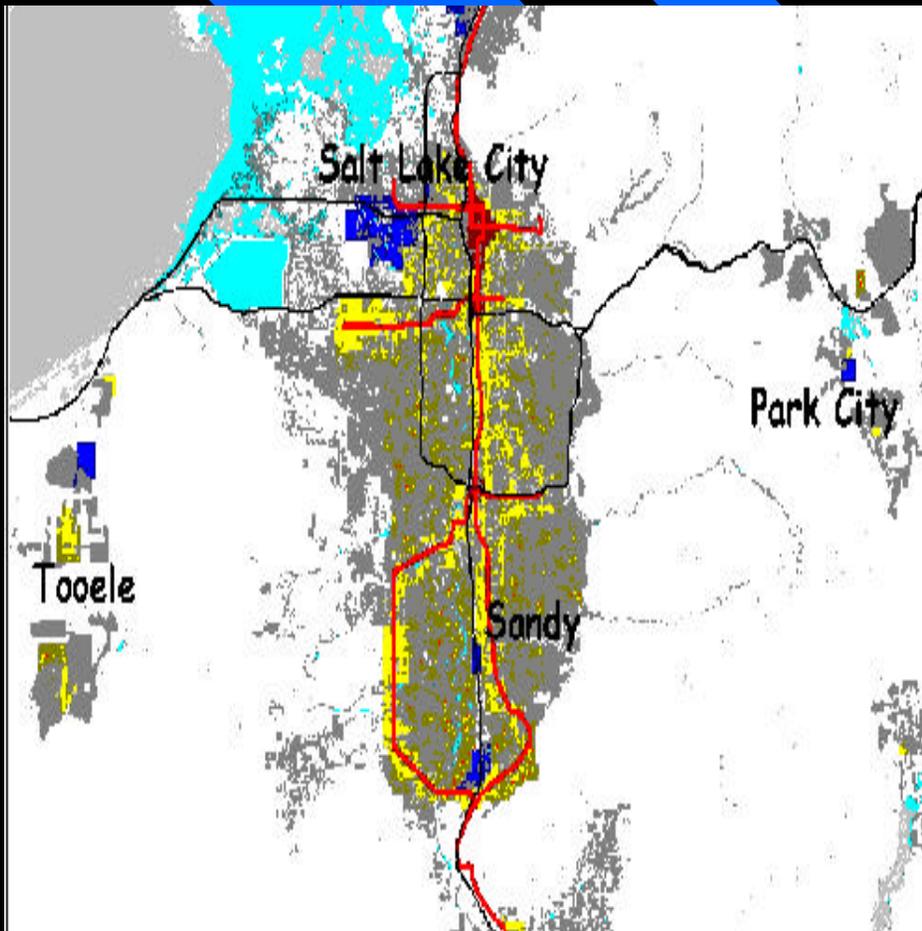
- Scenario A
- Scenario B
- Scenario C
- Scenario D

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Associates
Regional and Urban Planning

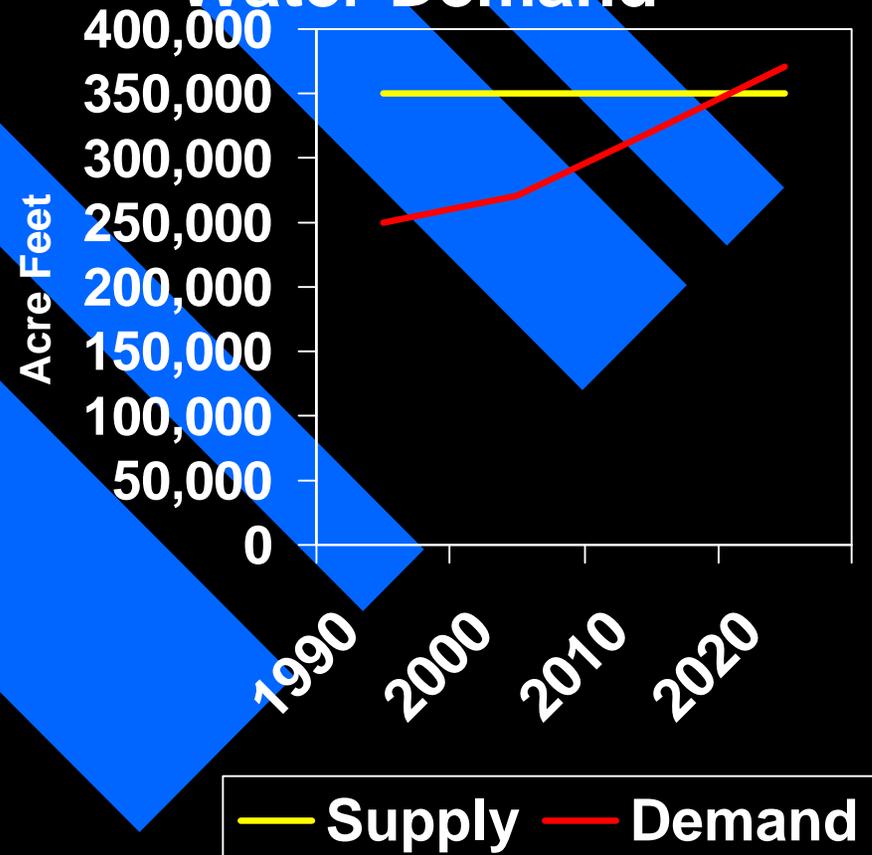


Effective Transit and Water Supply

Scenario D Transit and Density

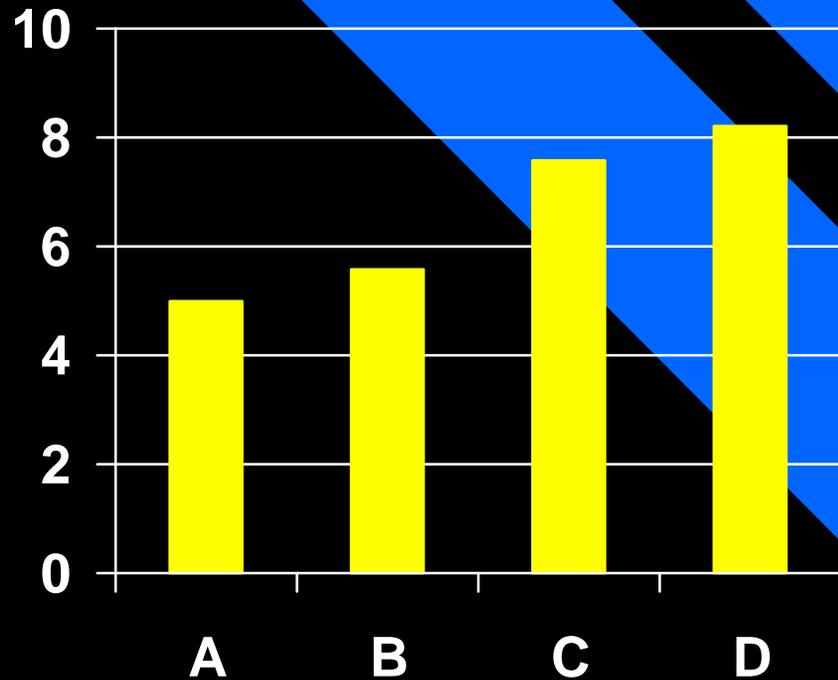


Salt Lake County Water Demand

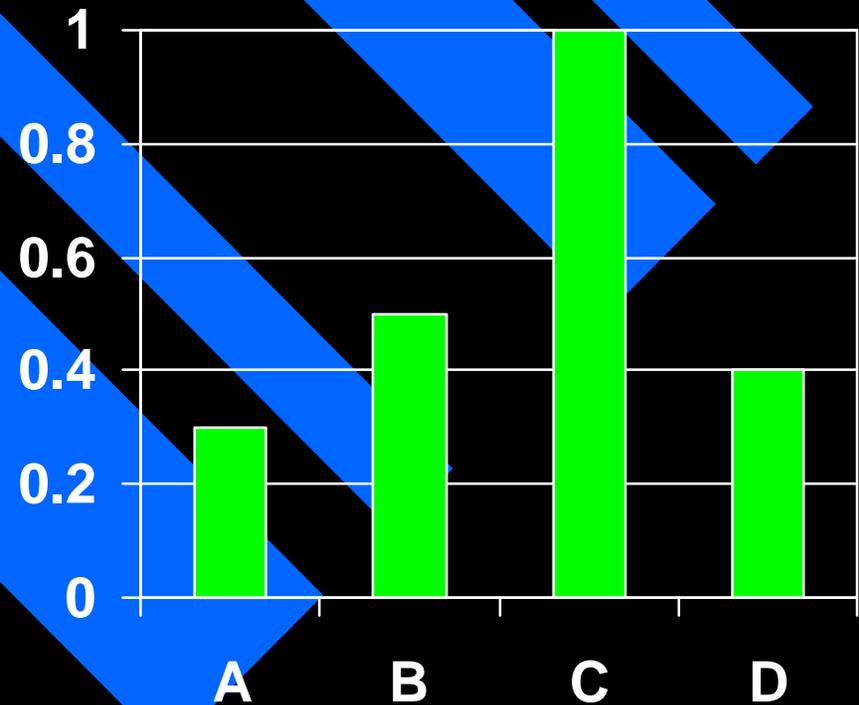


Density and Air Quality

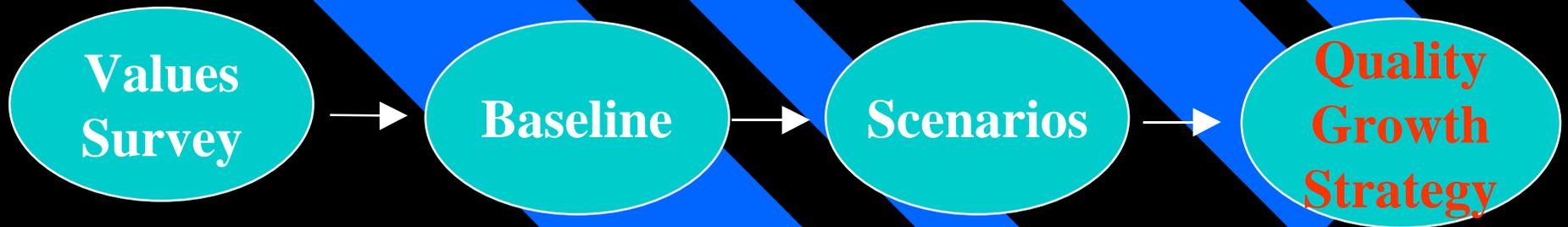
Persons Per
Residential Acre



Air Quality Score



Envision Utah Process



Developing the Strategy

- January Surveys -- 550,000 distributed
- Partnership Meetings -- Cross-section of 110+ partners
- Public Workshops -- dozens held
- Feedback from Local Officials



HELP DECIDE THE FUTURE OF THE GREATER WASATCH AREA.

Review our choices for 2020. Then fill out and mail the questionnaire, or respond on-line at: www.envisionutah.org.

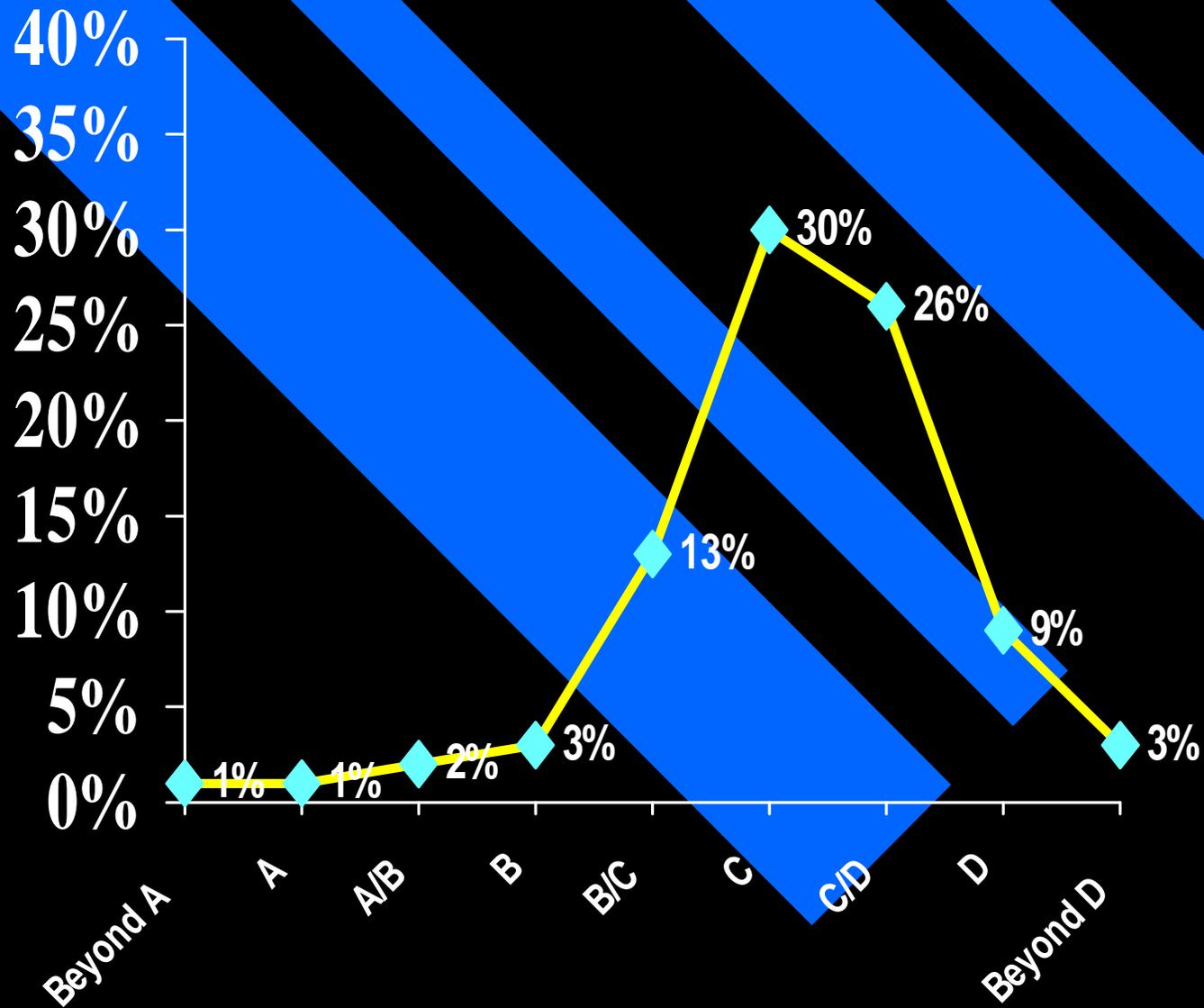
By the year 2020, the Greater Wasatch Area will add a million more residents - two-thirds of whom will be our own children and grandchildren.

How will we ensure that Utah remains beautiful

Now we want to be sure to hear from you. It's your turn to tell us what you think.

Please evaluate the growth options outlined on the following pages. As you do so, you will notice that

Choosing a Scenario

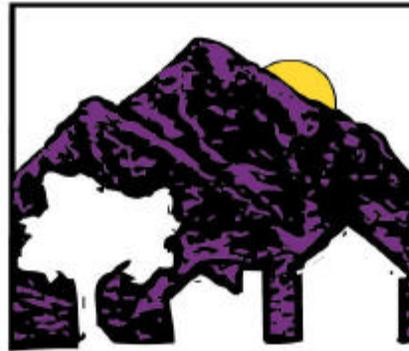


What is a Quality Growth Strategy?

- Goals that express the desires of most Utahns
- Strategies - actions we should take to implement the goals
- A map to show important concepts - where investments should be made, or open space preserved

ENVISION UTAH QUALITY GROWTH STRATEGY

November 1999



ENVISION UTAH

.....
A Partnership for Quality Growth

Keeping Utah Beautiful, Prosperous,
and Neighborly for Future Generations

Envision Utah • P.O. Box 30901

Salt Lake City, UT 84130

801-973-3307

www.envisionutah.org

Sponsored by Coalition for Utah's Future

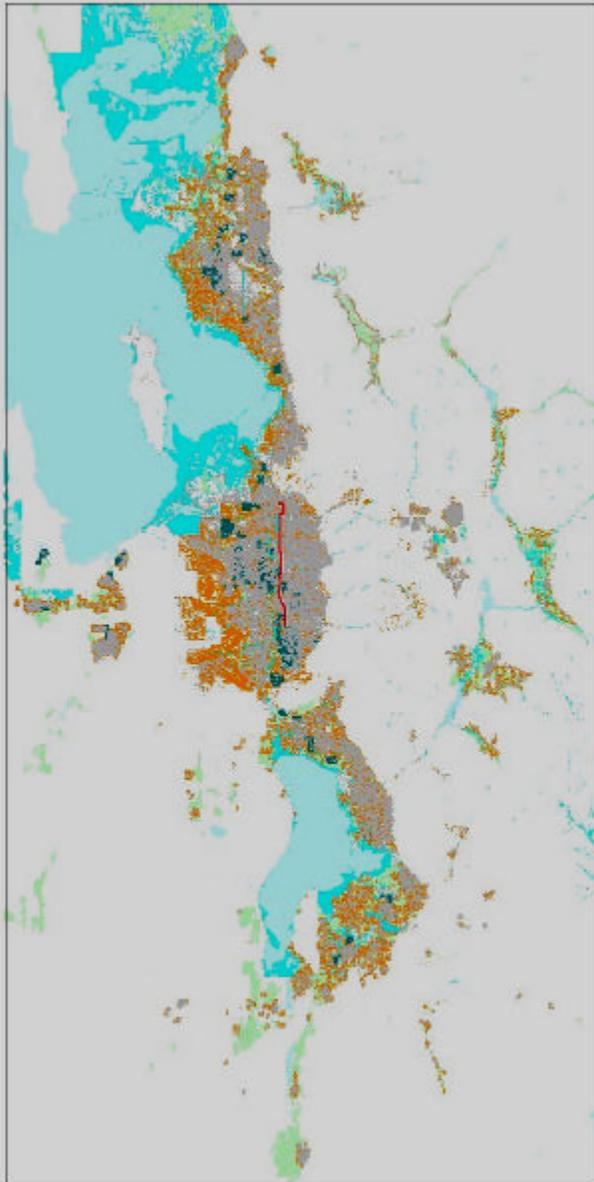


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Envision Utah's Six Goals

- Enhance air quality
- Increase mobility and transportation choices
- Preserve critical lands
- Conserve and maintain availability of water resources
- Provide housing opportunities for a range of family and income types
- Maximize efficiency in public infrastructure investments



Baseline Scenario

Development Types

Non-Walkable

- Low Density Residential
- Industrial, Office Activity Center

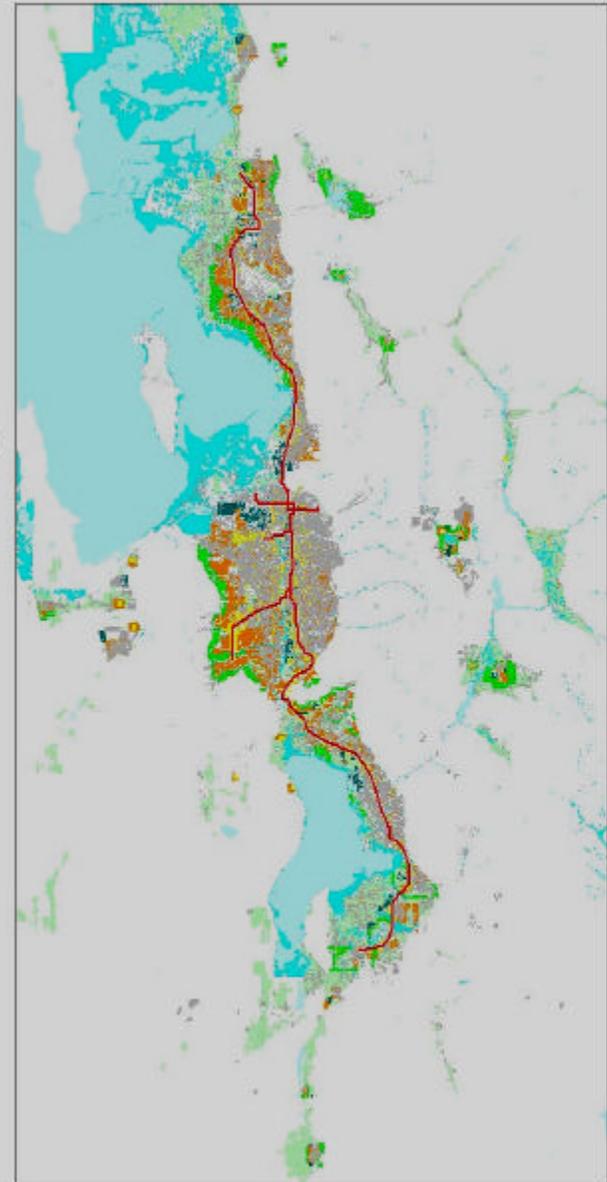
Walkable

- Town and Village
- Downtown

Open Space

- Rural Cluster

- Rail Transit



Quality Growth Strategy

Emphasis of Strategies

- Mandate without mandates
- Quality growth “invitation”
- Carrots, not sticks
- Based on voluntary cooperation



“ ... the only way we will ever arrive at a new and higher approach to our man-made and natural environment is if we all somehow achieve a new and higher level of cooperation.”

Joel Garreau, *Edge Cities*

Restructure Water Bills to Encourage Conservation

- provides a financial reward to customers who reduce water consumption
- allows water providers to encourage conservation without jeopardizing ability to cover costs



Create More Mixed-use And Walkable Neighborhood Zoning to Encourage a Mix of Housing Types

- single-family attached products
- town homes
- condominiums
- single-family detached homes
- small-lot detached condominiums
- Apartments
- Single-room occupancy residences



Principle: Treat Streets as Public Amenities



supporting alternative modes through urban design

Principle: Treat Streets as Public Amenities



supporting alternative modes through urban design

Principle: Treat Streets as Public Amenities



supporting alternative modes through urban design

Principle: Treat Streets as Public Amenities



Developed by Steve Price
in association w/Dover Kohl & Partners
& Glatting Jackson
for Johnson City Tennessee

supporting alternative modes through urban design

Create a Network of Bikeways and Trails

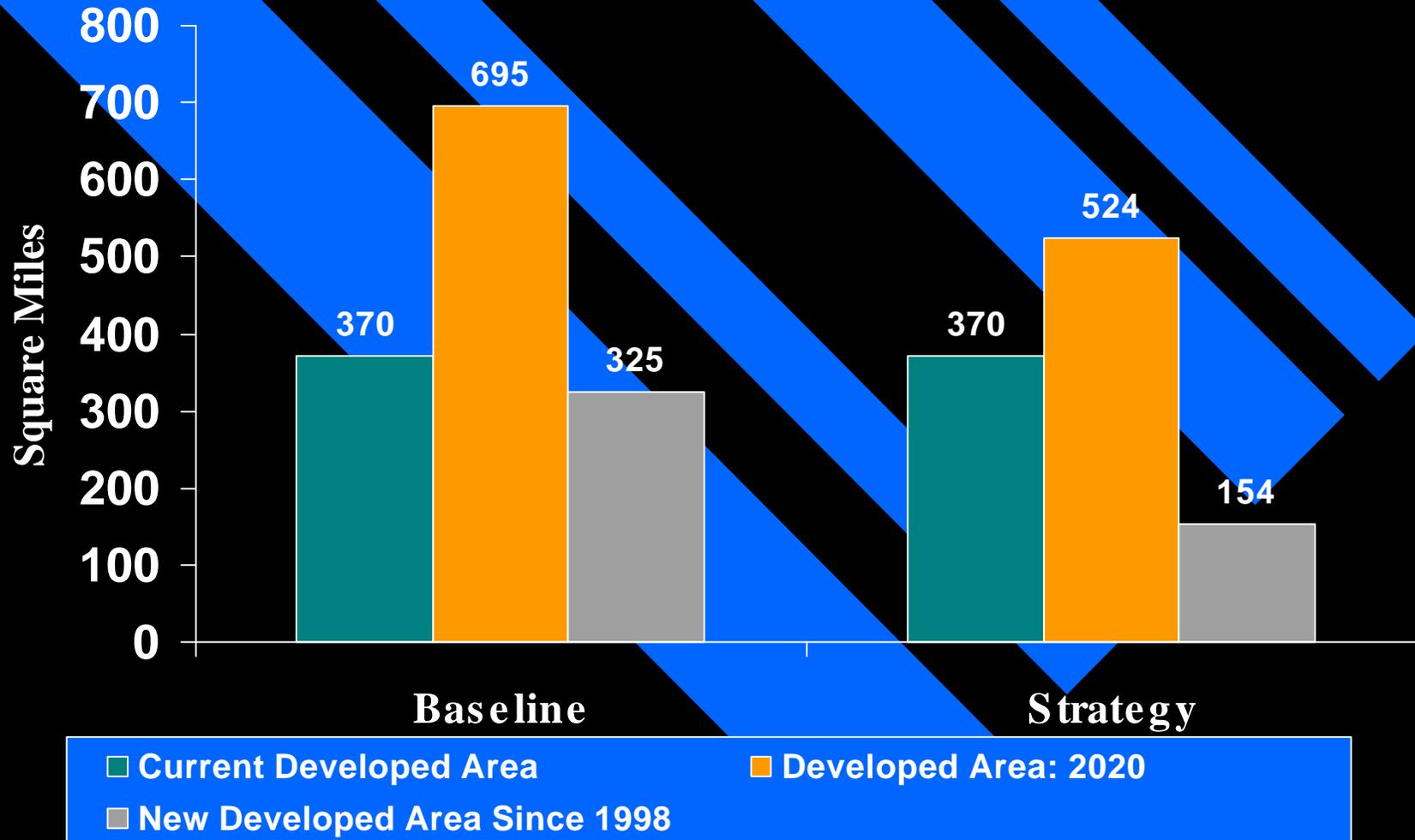
- improves air quality
- health benefits to those who walk or bike regularly
- more transportation choices
- lowers infrastructure costs
- lowers personal transportation costs



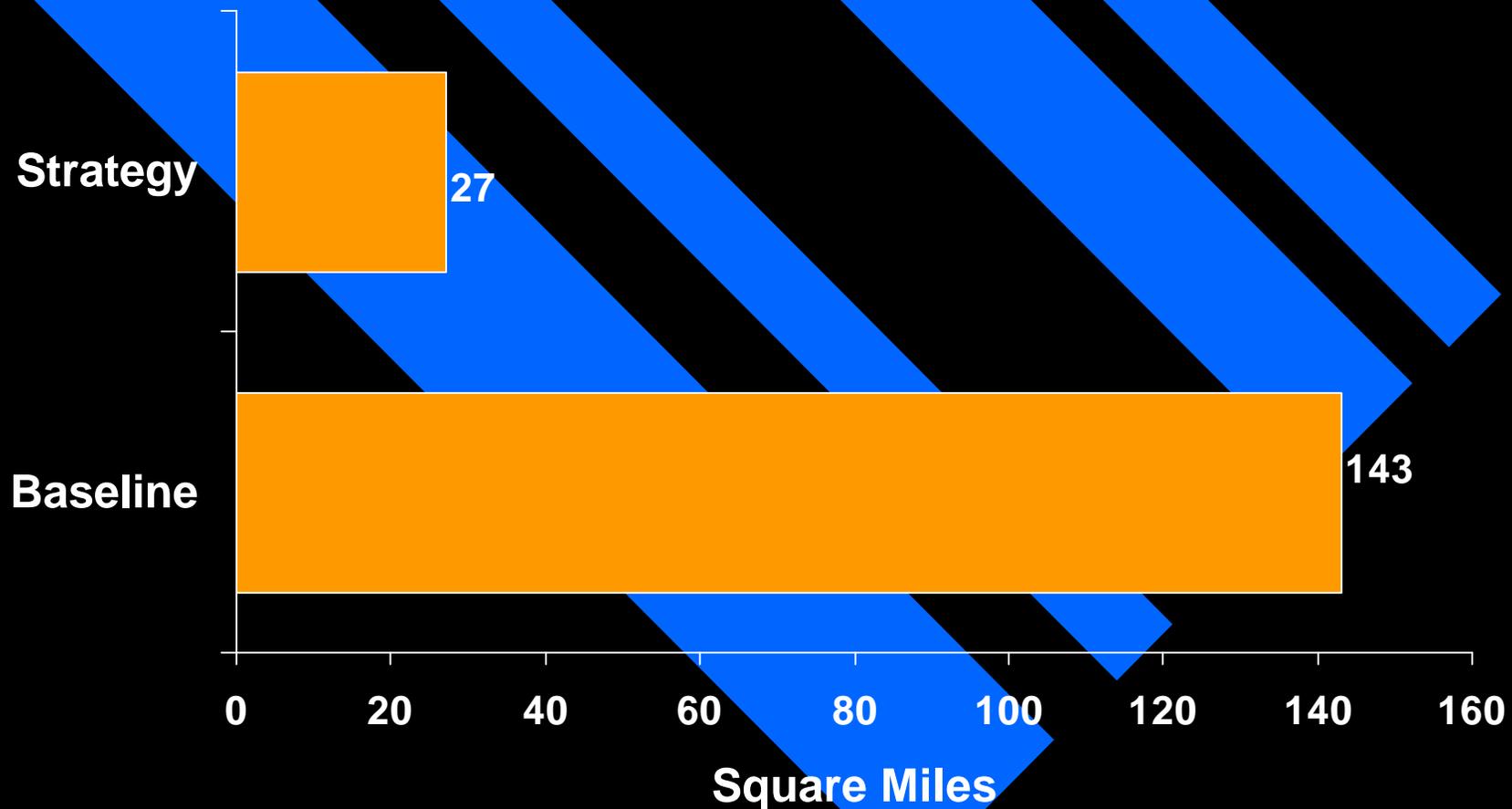
Strategy Analysis

- Land Use -- Conserves More Land
- Housing -- Provides More Choice, Market Driven
- Transportation -- More Efficient, Less Congestion
- Air Quality -- Lower Emissions
- Water Demand -- Reduces Consumption
- Infrastructure Cost -- Requires Less Money

Land Consumption

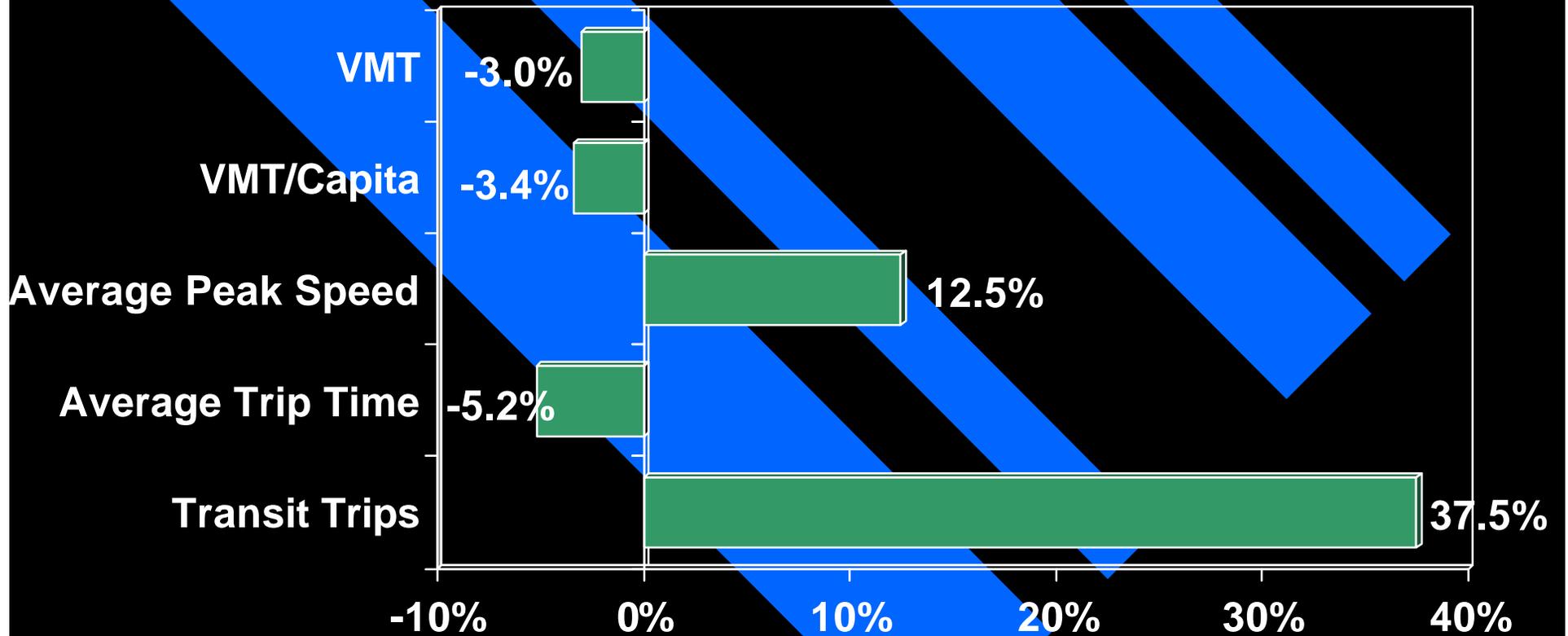


Agricultural Land Converted to Urban Use: 2000-2020



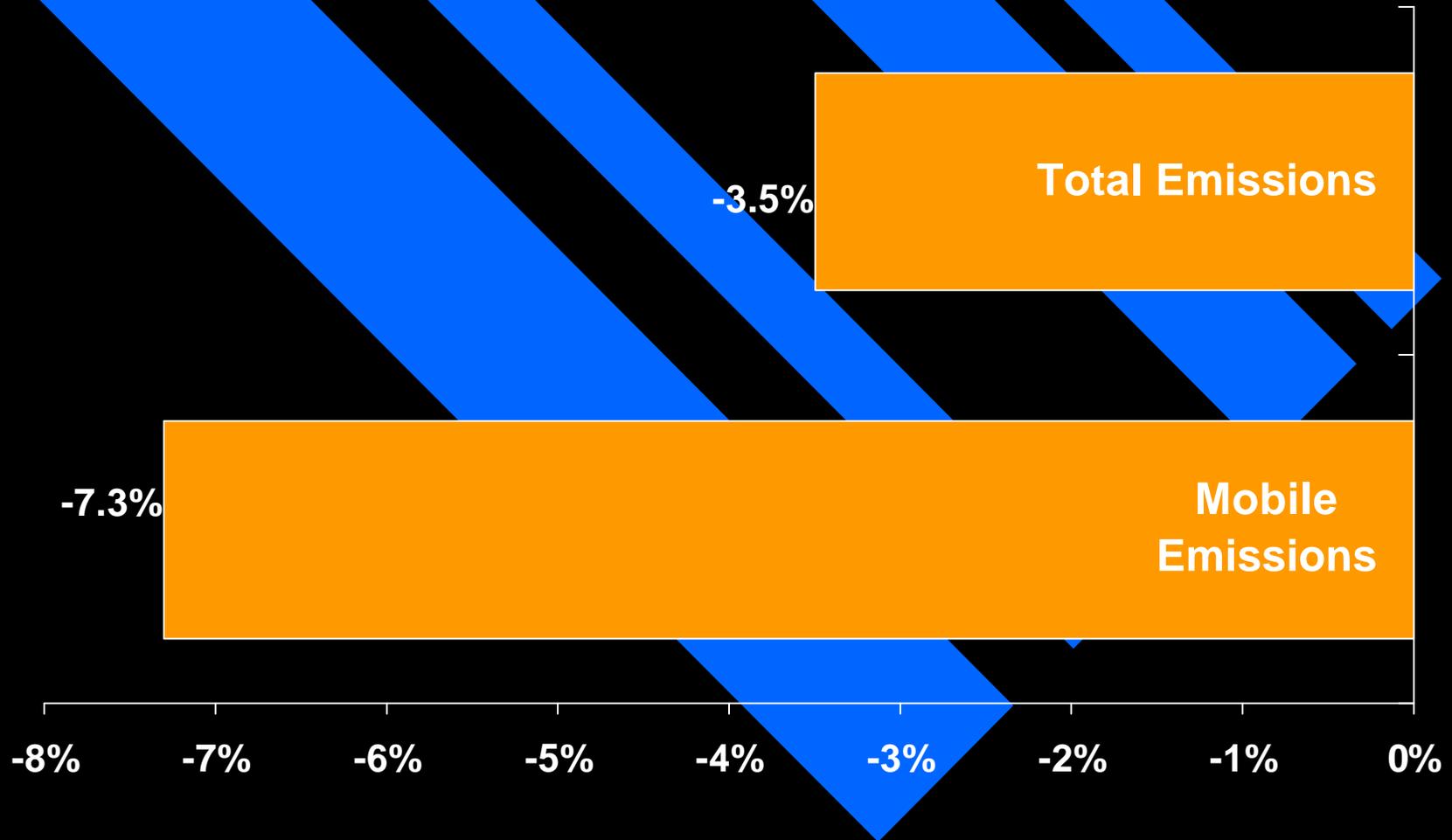
Transportation Comparison

Percent Difference Between Strategy and Baseline: 2020



Emissions Comparison

Percent Difference Between Strategy and Baseline: 2020



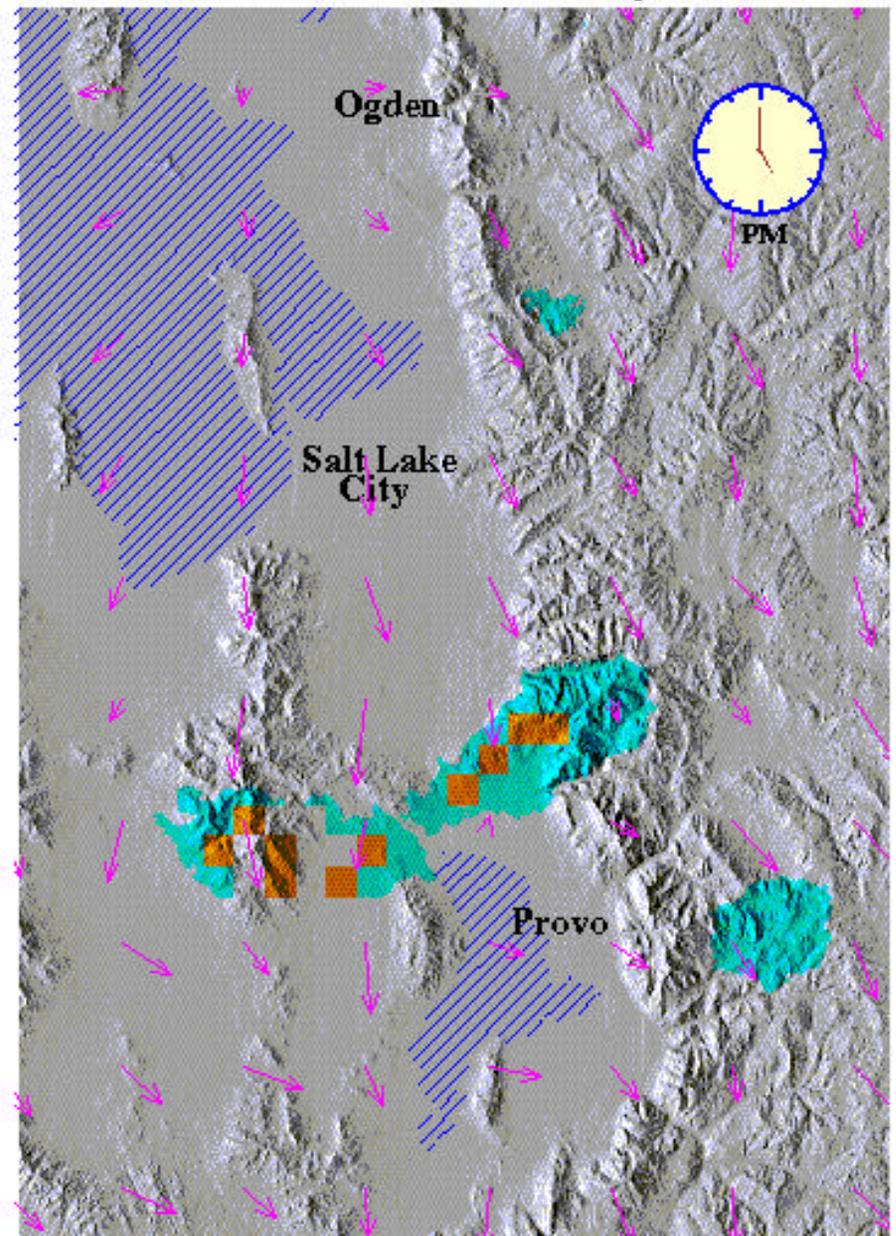
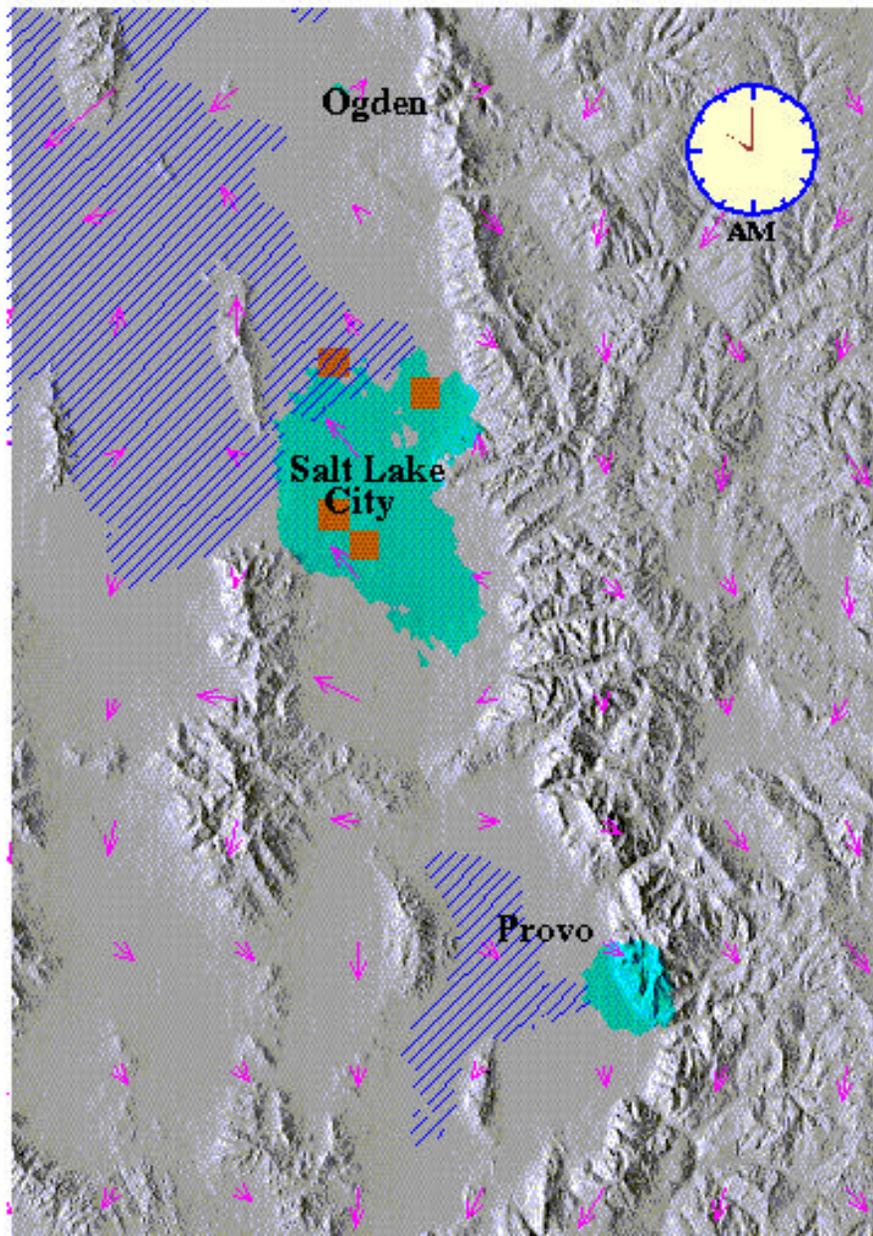
QMOD

Scenario B: Baseline Ozone Precursors

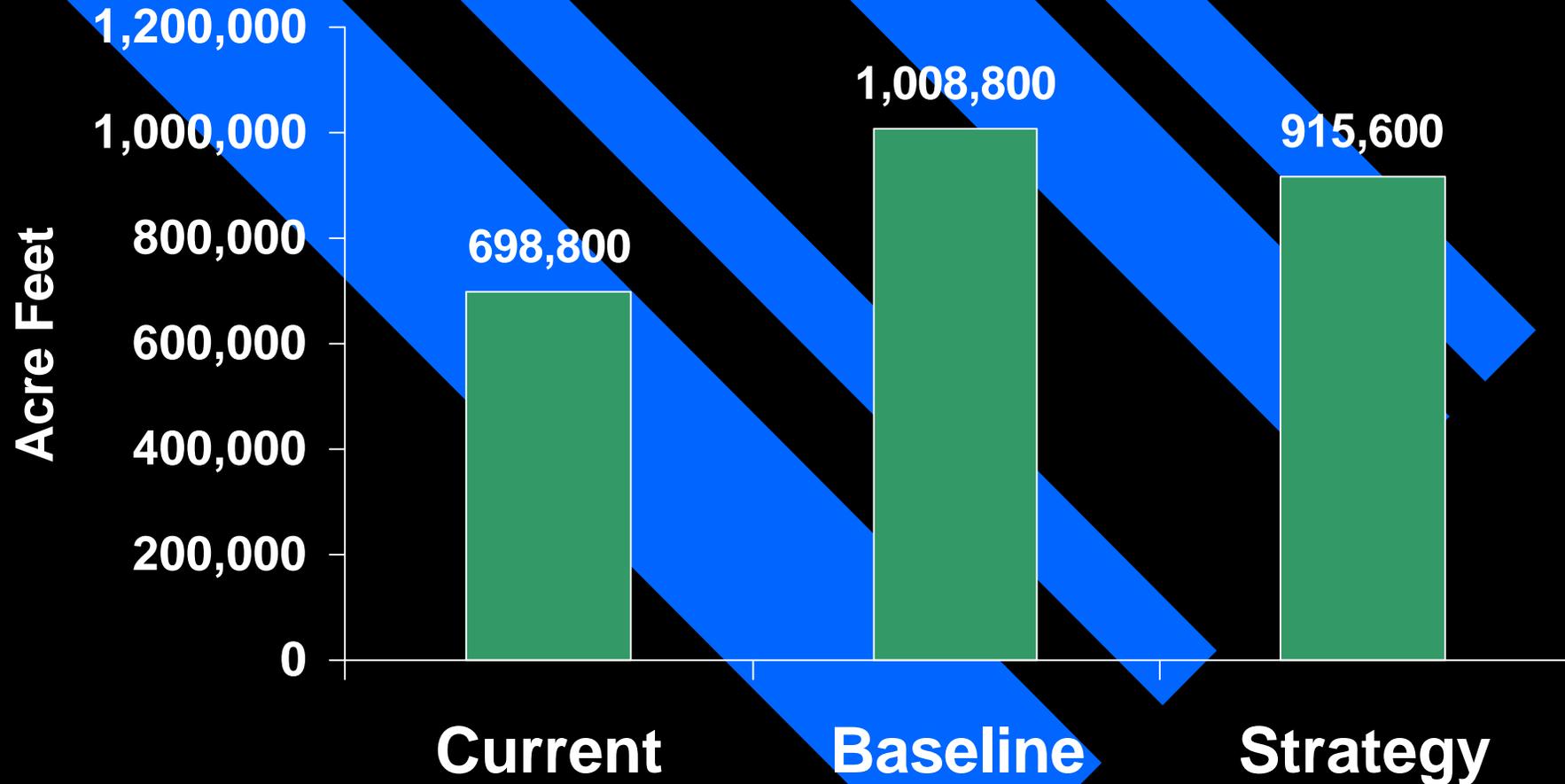
Avg. hourly pollution



Wind speed and direction



Water Demand: Current and 2020

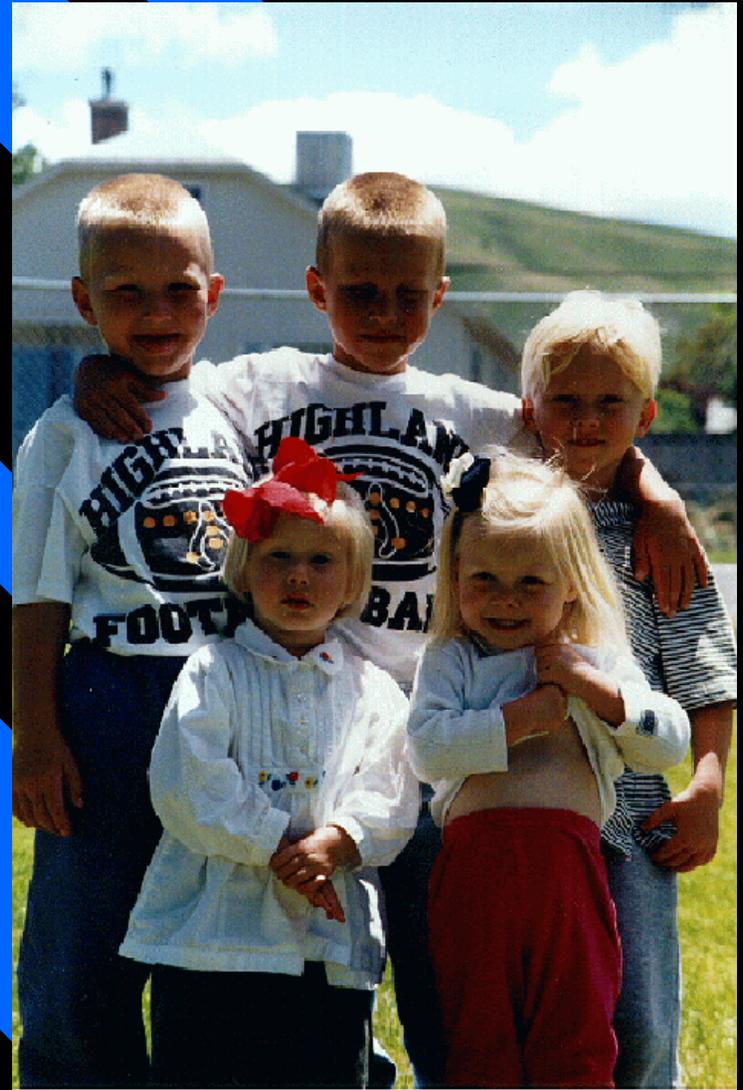


Total Infrastructure Costs: 1998-2020



Quality Growth Planning Utah Style

- Quality growth cannot be created by some sort of regional growth czar
- It must evolve at the local level with a regional backdrop
- Our mantra is *state leadership, local responsibility*
- Understanding tradeoffs and seeking balance is key
- Once you've seen one regional planning effort, you've seen one regional planning effort















Historical Resources

Grafton Town

- Historic agricultural area
- Riparian Habitat
- Scenic Qualities





Bar J Ranch

- Endangered Bonneville Cutthroat Trout
- Pristine high alpine forests
- Prime elk and deer habitat
- Watershed protection







The future is not a gift.

It is an achievement.

It is not something

we enter; it is

something we create.