

The scenario approach

Also called contingency planning

Plausible Future Options

Develop a range of scenarios

Base

A

B

C

Scenarios are Crash Test Dummies

POWERFUL ANALYTICAL TOOLS

Public Domain and Open Source

envision tomorrow[™]
 a suite of urban and regional planning tools

Scenario Building Process

Building Types

Development Types

Scenario Development

Evaluation

1

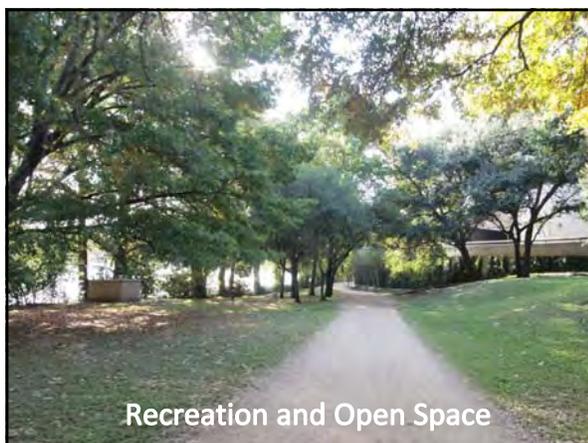
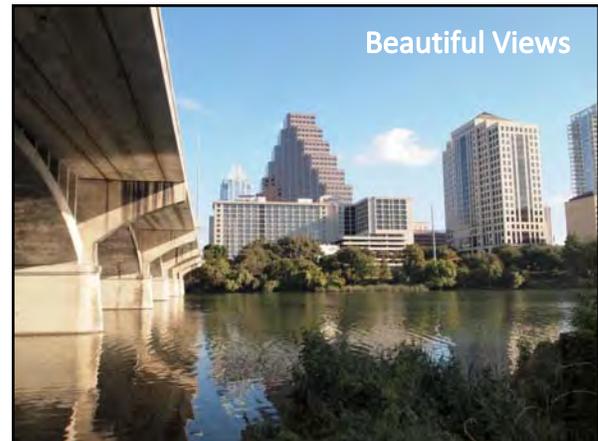
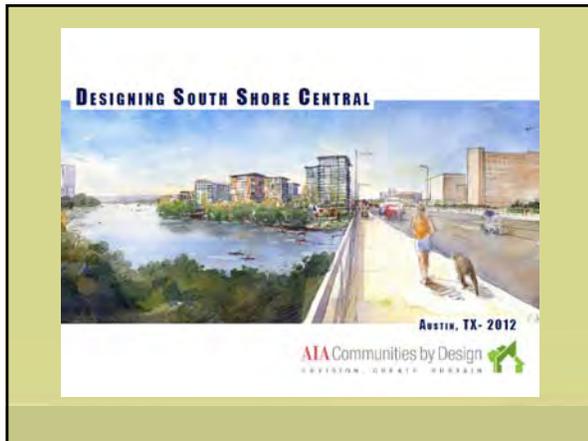
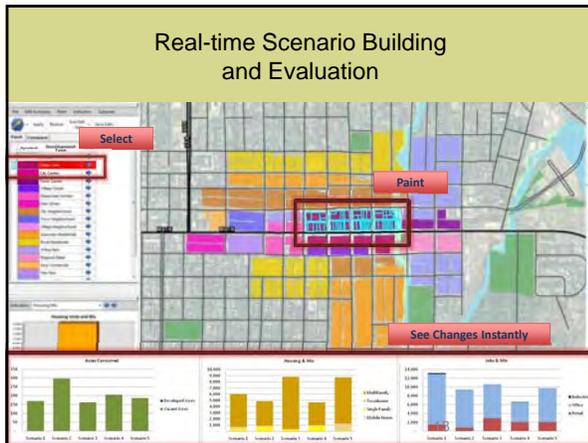
Step 1: Model a library of building types that are financially feasible at the local level.

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Model Prototypes Using Real Market Research: Allows for "Reality-based Visualizations"

Use Prototypes for Reality-based Visualizations and 3D Modeling

12



Access to Downtown

- 75%+ of the region's employment is within 20 minutes of South Shore
- *Employment/Destination Access is most influential variable on VMT*
 - 4x as powerful as housing density



Many Community Goals have no certain implementable plan

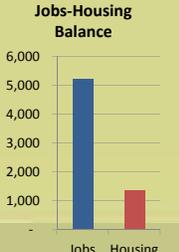
- Access to lake and open space
- Affordable housing
- Environmental performance
- Green infrastructure
- Walkability and bikeability
- Fiscal balance



Auto-oriented Jobs Center

- Jobs to Housing Ratio: 3.5

Jobs-Housing Balance

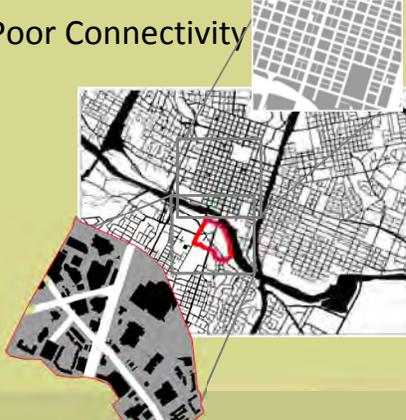
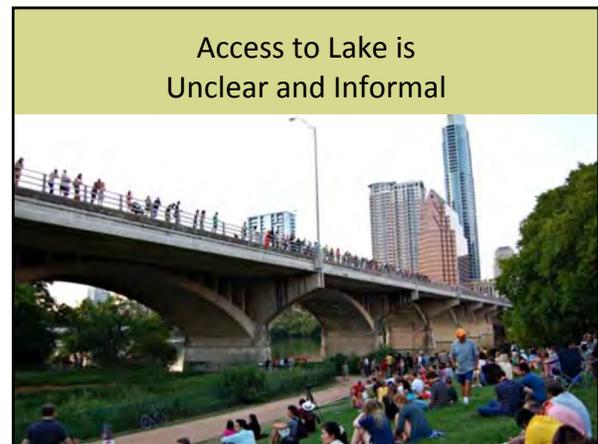
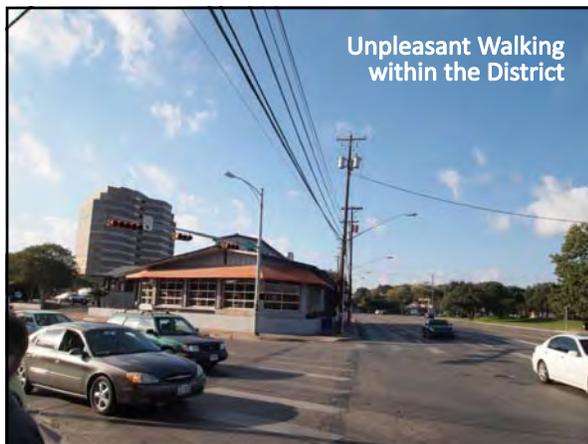


| Category | Value |
|----------|-------|
| Jobs | 5,000 |
| Housing | 1,500 |



Poor Connectivity

- Close access to downtown
- Intersection of 3 major arterials
- Low street connectivity
- Large block sizes

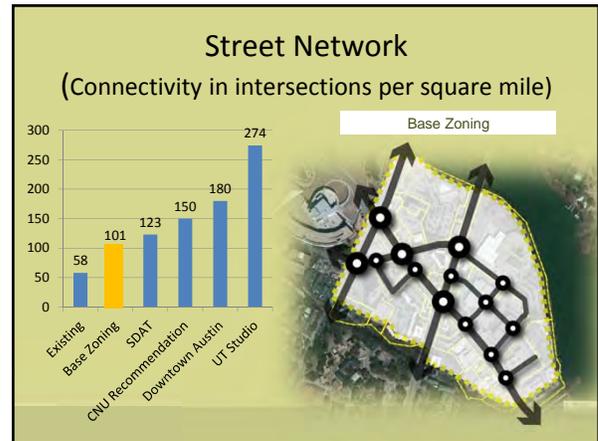
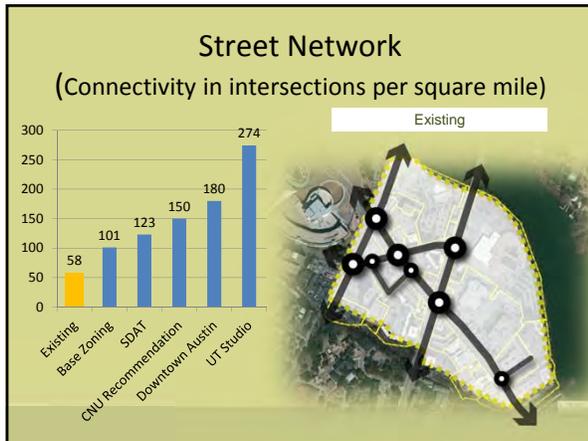
Scenario 1: Base Zoning Residential Build Out

- Most parcels limited to 60 foot height
- Statesman parcel limited by low sq ft allowance



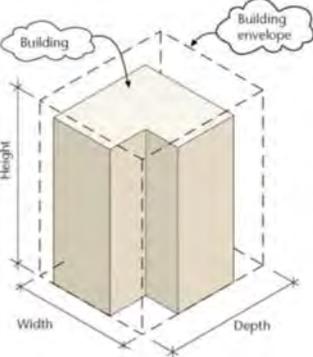
Layers of Complex Regulations

- *May not result in the place people want...*
- **Math rather than Vision**
 - Setbacks
 - FAR
 - Coverage limits
 - Height limits
 - Square footage maximums
- Base Zoning
- Waterfront Overlay
- PUDs (individual parcels)

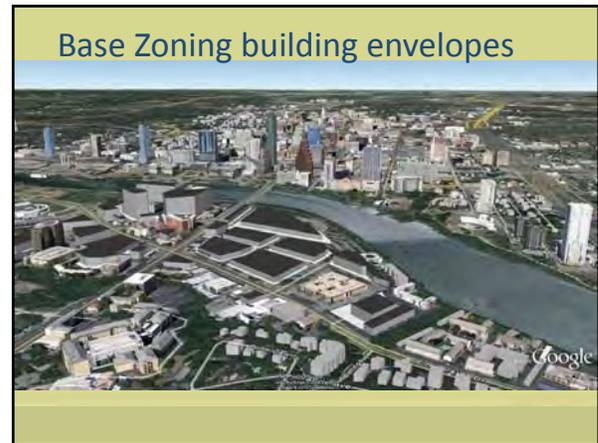



Building Envelope

- Every lot in Austin has an envelope
- Math and form
- Current zoning does not guarantee quality buildings within the envelope



The diagram shows a 3D perspective of a rectangular building envelope. A solid line outlines the building itself, while a dashed line outlines the larger envelope. Labels include 'Building' and 'Building envelope' in cloud shapes, and 'Height', 'Width', and 'Depth' with arrows pointing to the respective dimensions.



Base Zoning Buildout

Lake Access is an issue



This 3D rendering shows a city street scene. Annotations include:

- 'Lake Access Blocked by Building' with an arrow pointing to a building that obstructs the view of the water.
- 'Urban Sidewalk Only Required at Building Entrance' with an arrow pointing to a sidewalk.
- 'Active Building Front Not Required on All Streets' with an arrow pointing to a building facade.

 A small inset map in the top right shows the location on a street grid.

Base Zoning Buildout

Lake Access is Not a Guarantee



This 3D rendering shows a city street scene. A red oval highlights a building facade. Annotations include:

- 'Urban Sidewalk Only Required Along Building Edges' with an arrow pointing to a sidewalk.

 A small inset map in the top right shows the location on a street grid.

New Development is Being Permitted

- But *without a cohesive vision*
- The outcomes are uncertain for public and investors



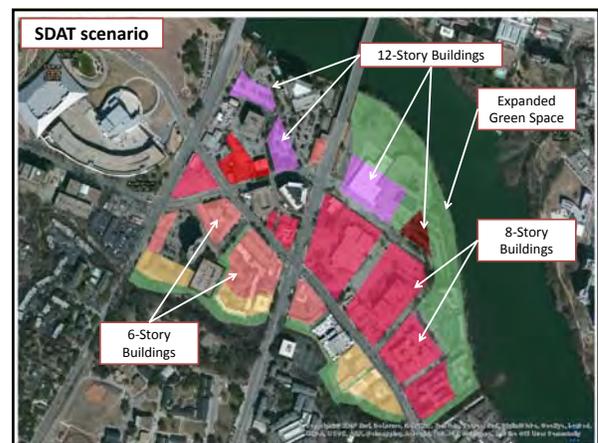
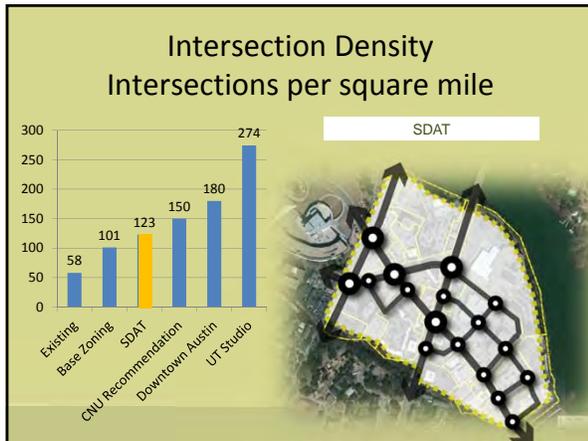
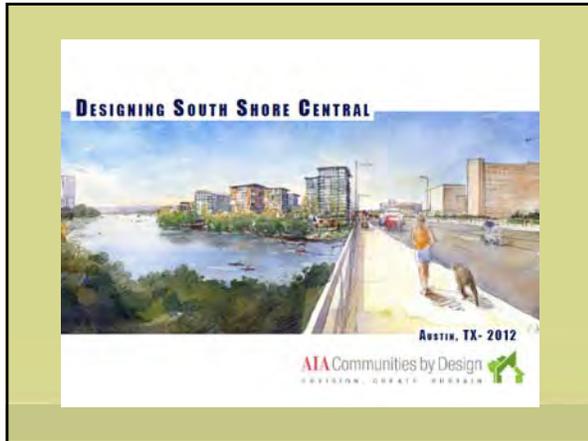
This is an aerial photograph of a waterfront development area. A semi-transparent grid is overlaid on the image, suggesting a planned layout or zoning boundaries. The area includes buildings, a waterfront, and some green spaces.

Scenario 2: SDAT Vision

- Unified vision
- Significant open space
- Improved connectivity and linkage to lake



This is an aerial photograph of a waterfront development area. The image is overlaid with various colored shapes (red, green, yellow, blue) that delineate different zones or development areas, illustrating a more structured and unified vision for the waterfront.



Opportunities Slipping Away

- Recent construction makes untangling the "X" intersection of Barton Spring Road and W Riverside Drive quite difficult.



SDAT building envelopes



SDAT building envelopes



SDAT Vision

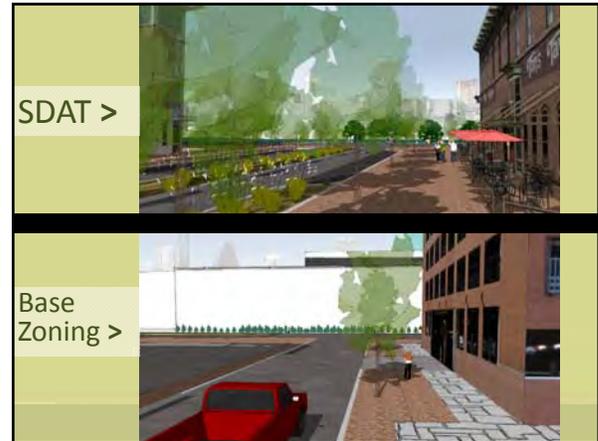
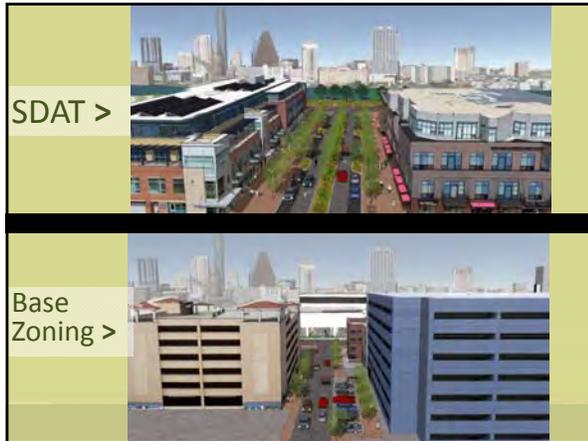


SDAT Vision



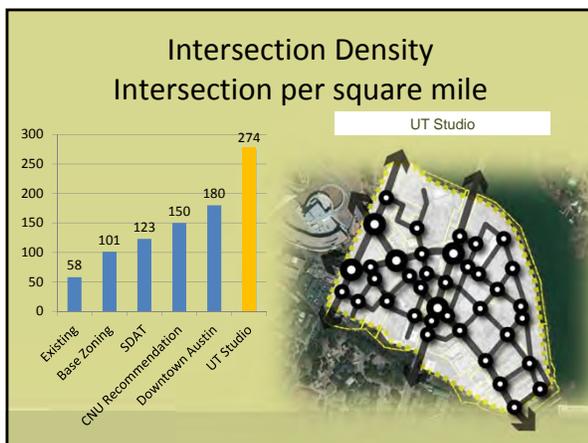
SDAT Vision



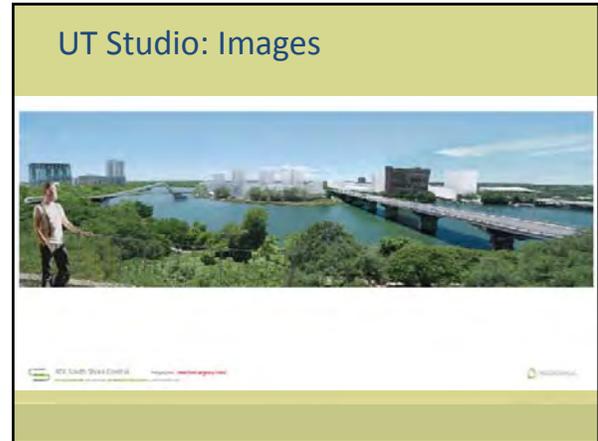


Scenario 3: UT Urban Design Studio

- Broad mix of building types, including point towers
- Larger units, targeted at families
- Same parking standards as SDAT
- Planning for rail
- Affordable units mixed with market rate

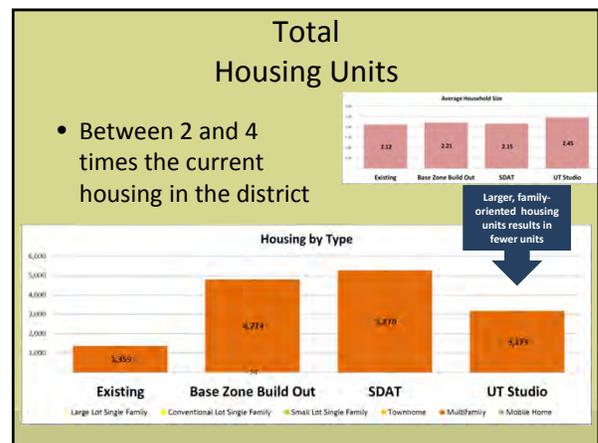
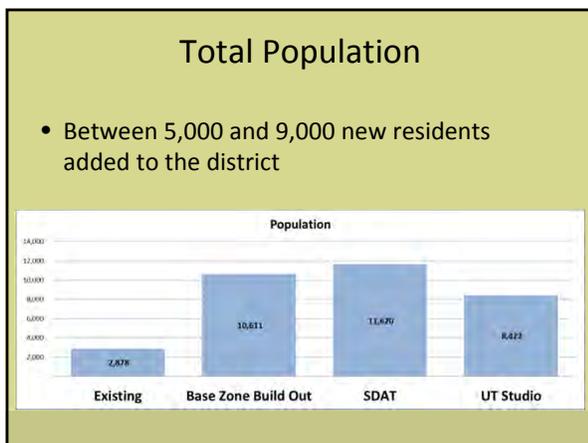


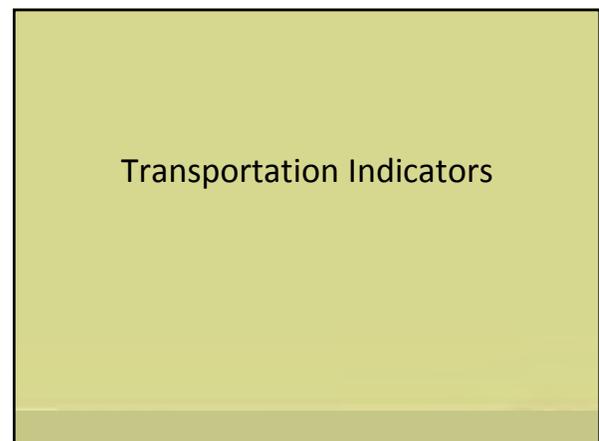
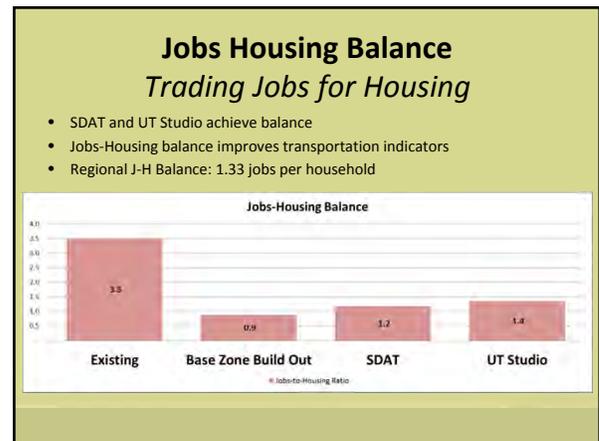
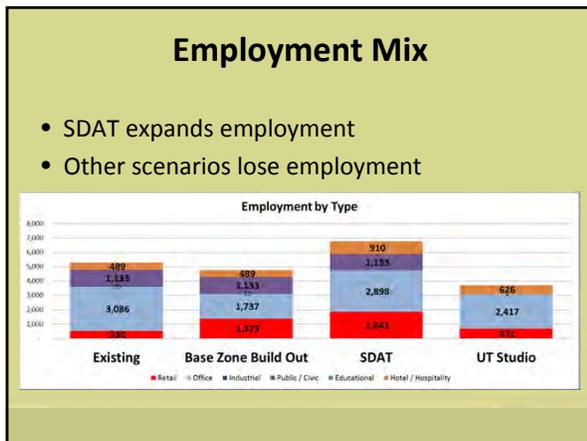
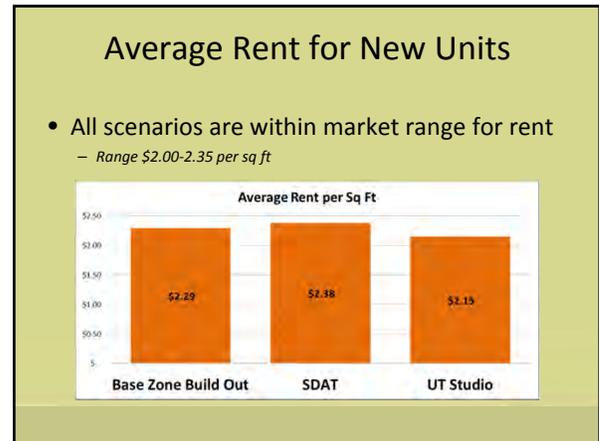
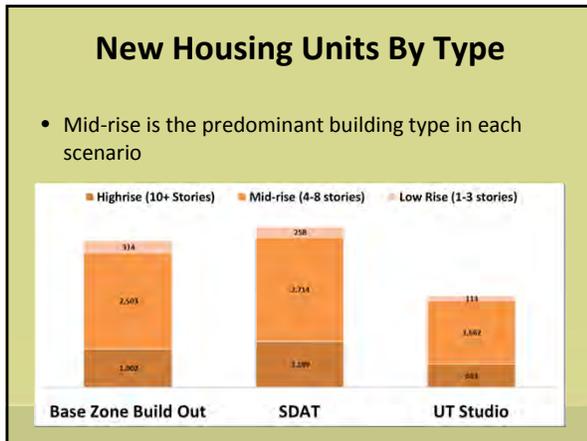


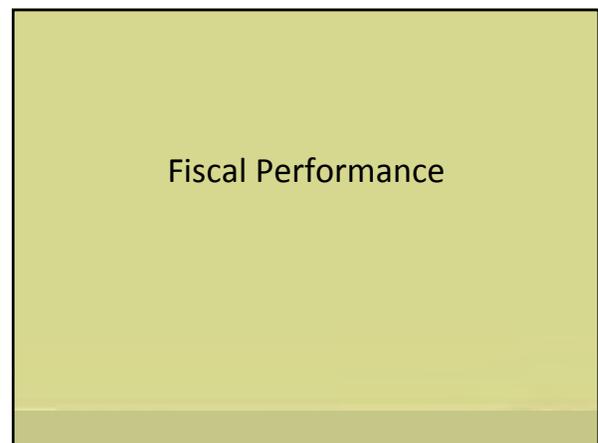
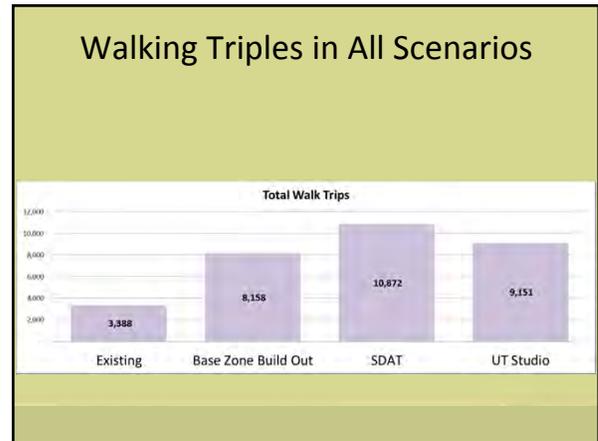
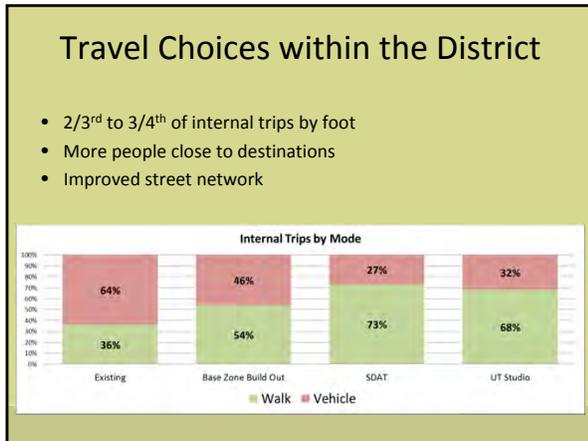
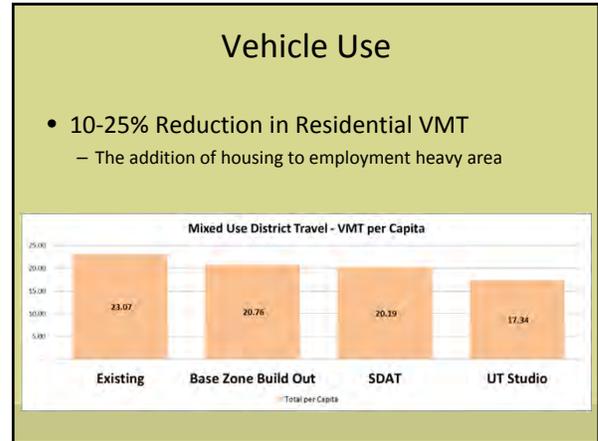
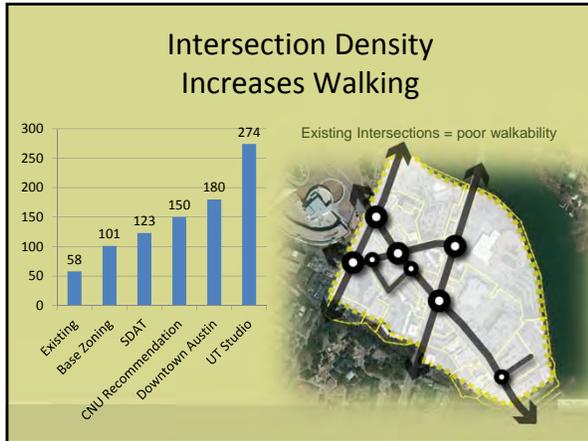
Measuring Performance

Envision Tomorrow Scenario
 Modeling

Population and Housing



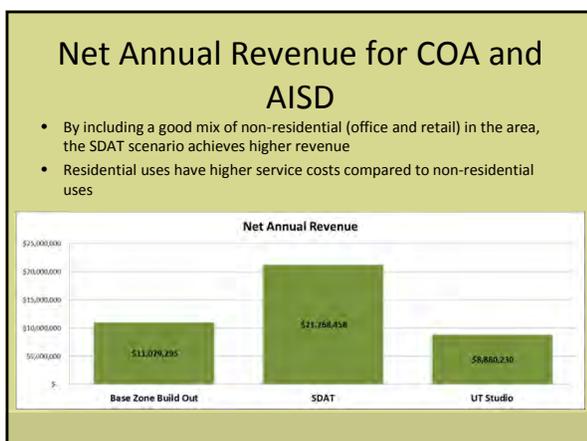
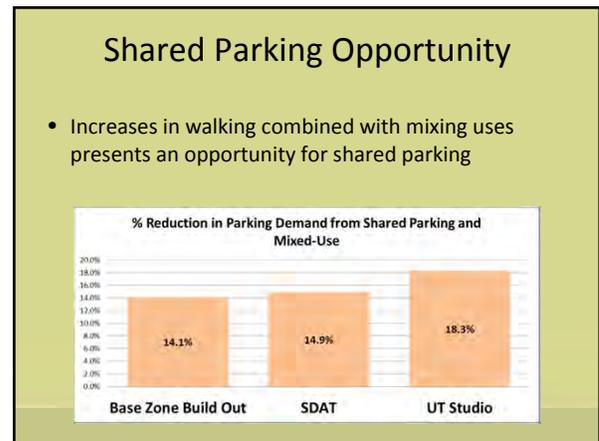
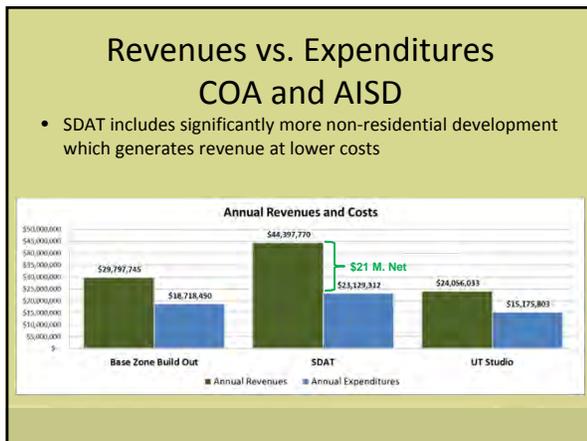




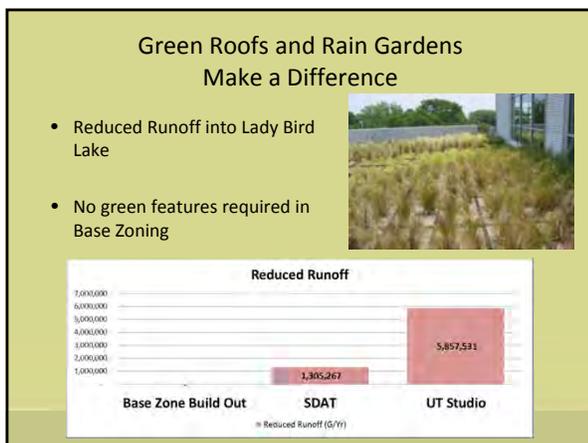
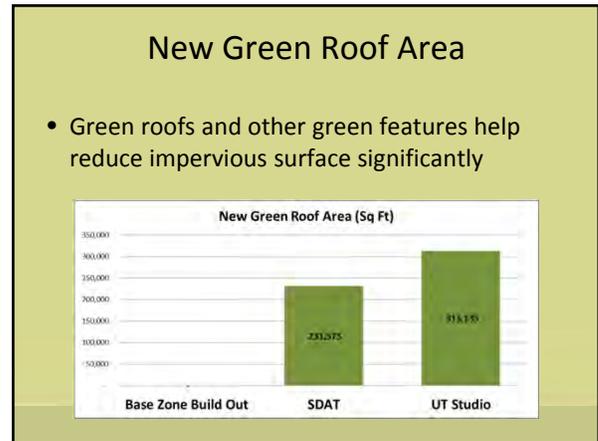
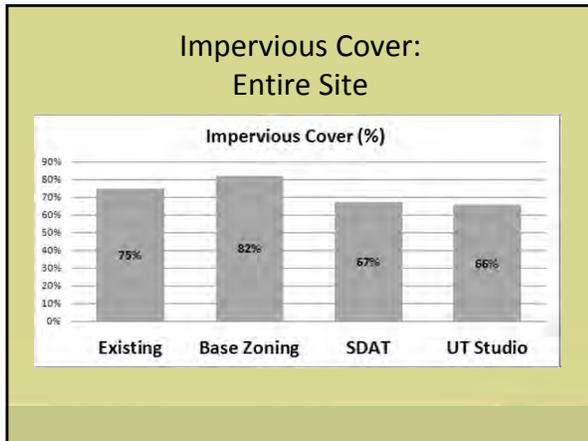
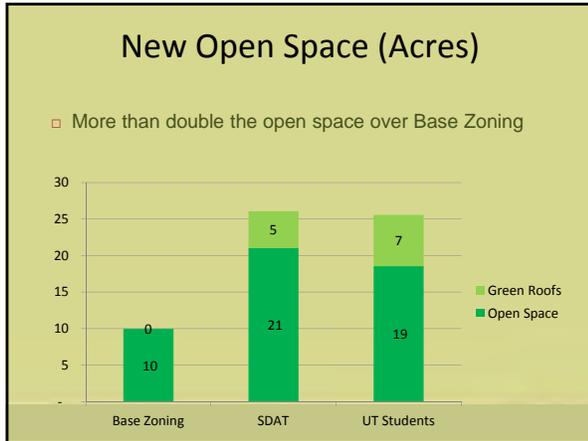


Tax Increment Financing (TIF)

- For critical infrastructure- e.g.:
 - Structured parking
 - Roads
 - Open space
 - Affordable Housing

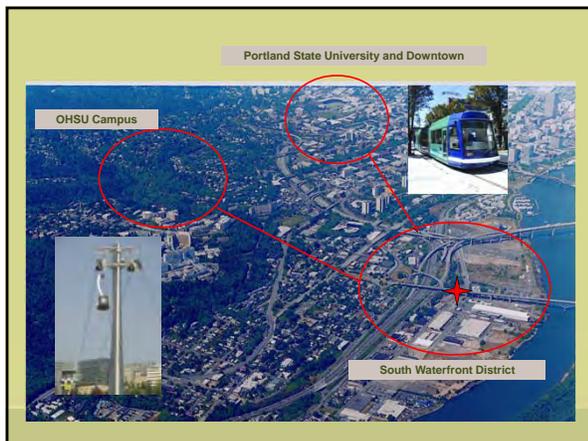
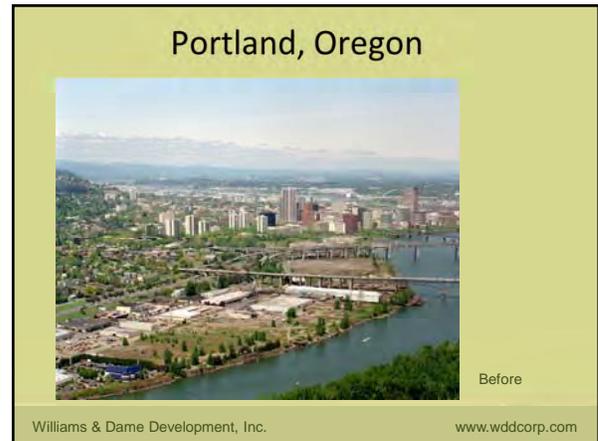


Open Space and Green Infrastructure



What's Next?

The Magic of Waterfronts
 Examples from Elsewhere



Build Out



Williams & Dame Development, Inc.

www.wddcorp.com

Preserves significant natural areas



Interaction with nature



Adopt icons as highly visible public benchmarks for measuring the success of protection and restoration efforts.



Waco Moves Ahead



Now, Austin's time to plan for a great waterfront!