CODENEXT ZONING CODE CAPACITY ANALYSIS CITY COUNCIL PRESENTATION

Fregonese Associates – September 6, 2017



Goals:

- I. Compare Housing and Jobs Capacity under:
 - Existing Zoning
 - CodeNEXT Draft I
 - CodeNEXT Draft 2
- 2. Explore Housing Match to Strategic Housing Blueprint
- 3. Early Indicators
- 4. Highlight key areas for future exploration

BASIC PROCESS

Use Buildings Calibrated to Austin Market

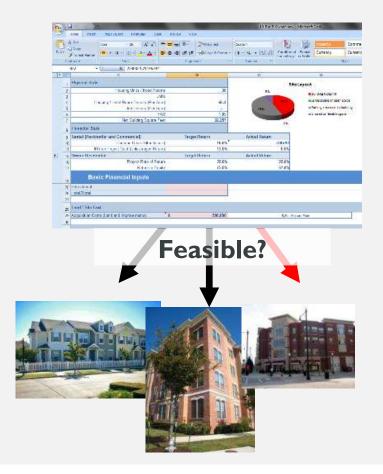
Total of 81 Buildings used in Analysis

Physical Form

- Height
- Unit sizes
- Parking configurations

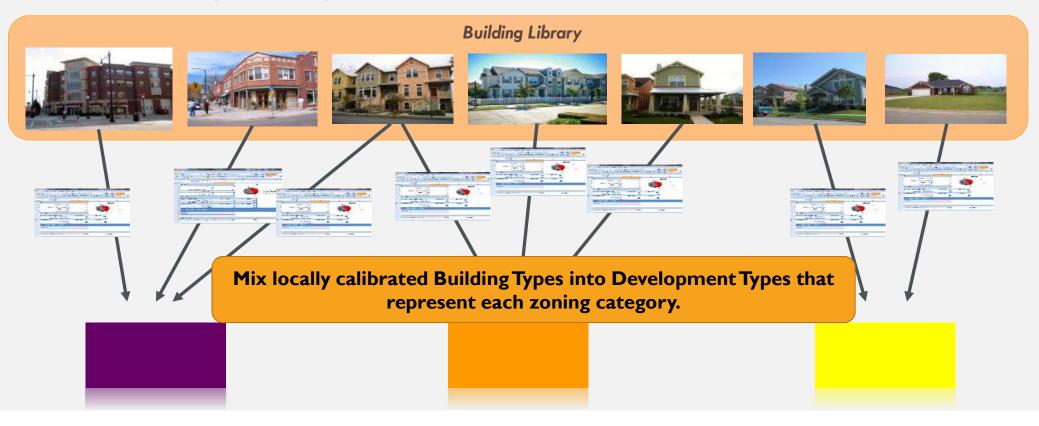
Financial Reality

- Rents / sales prices
- Construction costs
- Land costs



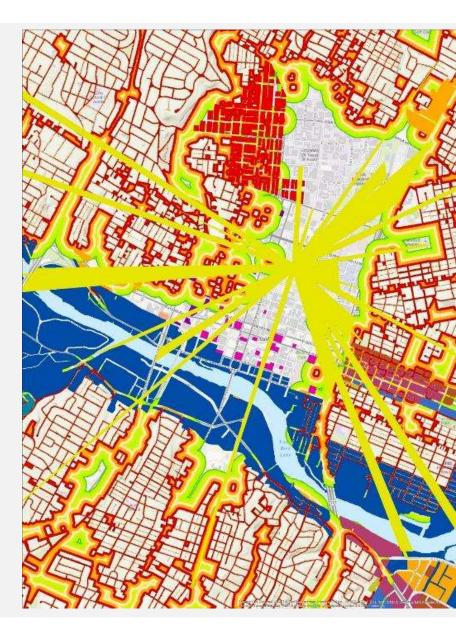
EACH ZONING DISTRICT CALIBRATED WITH BUILDINGS

For Existing Zoning, CodeNext I, CodeNext 2



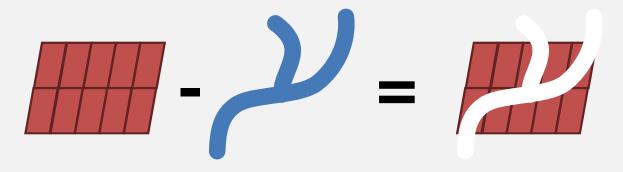
OVERLAYS FOR DIFFERENT CODES INCLUDED





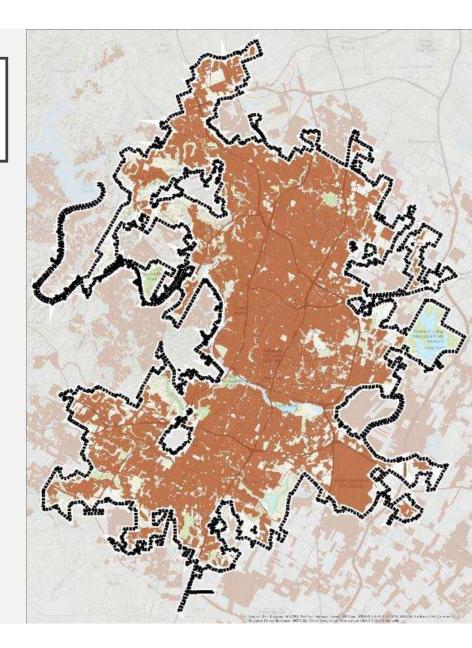
CONSTRUCT BUILDABLE LANDS LAYER - 2013

- Buildable Lands =
- Land Supply Constraints (Environmental & Policy) Land Supply Constraints Buildable Land



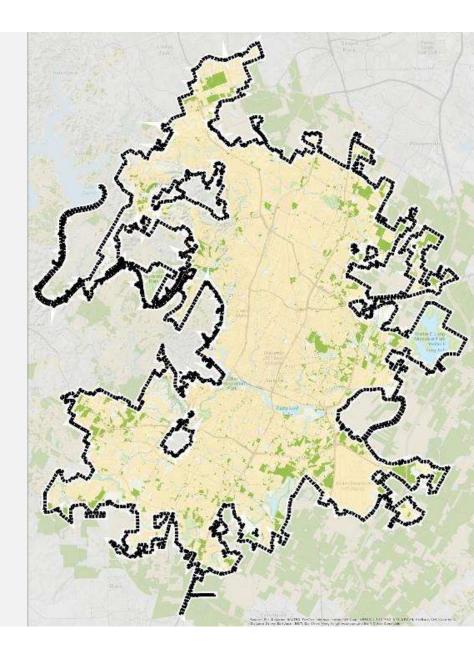
BUILT PARCELS

- □ 114,063 developed acres
- □ 178 square miles



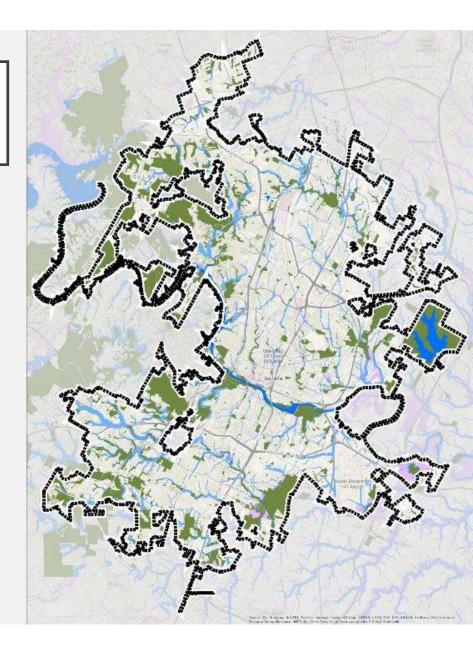
VACANT PARCELS

- I4,560 remaining vacant acres
 - 23 square miles
- □ 13% of the current developed area

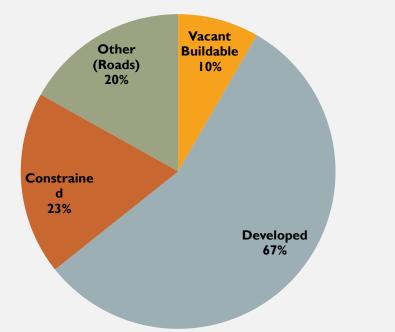


ENVIRONMENTAL CONSTRAINTS

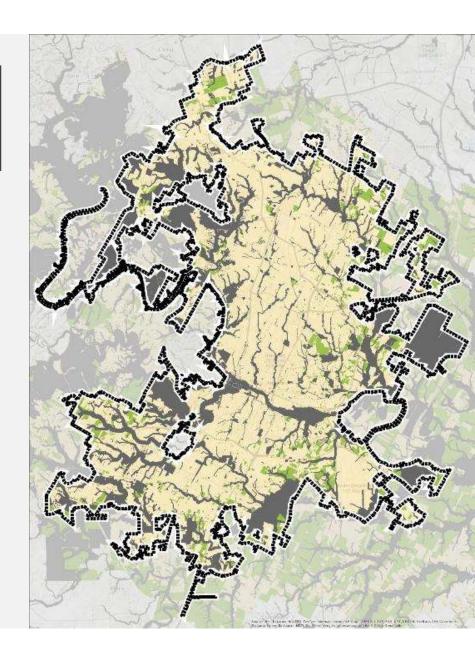








- 14,560 acres of vacant, buildable land in city boundary
- ~3,500 of the vacant acres are constrained
 - 19% of vacant & ag land



WHAT'S DIFFERENT?

2015 – Existing Zoning Model

- 11,500 parcels analyzed
- > Major Driver: "Attractiveness" Index

August 2017 Updated Model

- 5,710 parcels analyzed
- **Major Driver:** "Tipping point" analysis



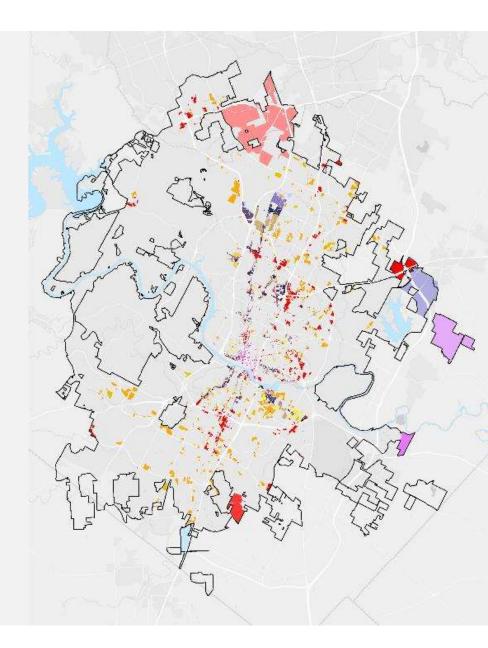
Where is growth expected to occur? Which parcels?

5,710 parcels analyzed

Major Driver: "Tipping point" analysis

- Parcels with near-medium term development potential
- Evaluate zoning frameworks with wider range of indicators

Final results expected with mid-September Draft 2 roll out



Step I: Remove recently developed parcels based on permits

- Ensure recently developed land is no longer "vacant" in dataset
- Permit data recent through May 2017

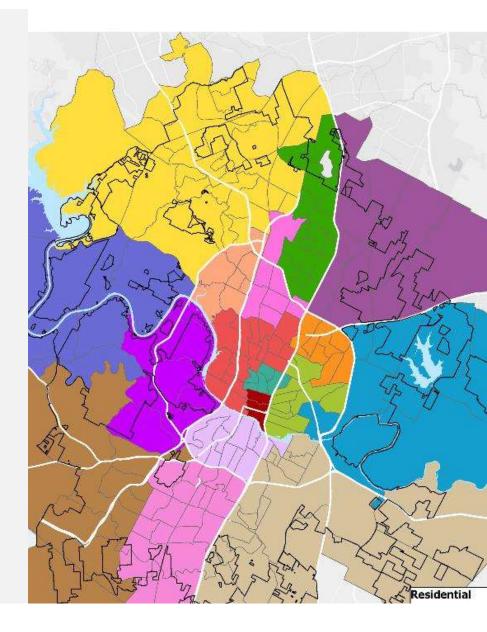
Data source: City's 2014 land database inventory; Development Services permit database – May 2017



Example: New Mixed Use Development on E 5th St

Step 2: Calculate average rents by Austin submarkets to understand building feasibility

- Aggregated from Census Tract average rents – CoStar data
- Austin submarkets more easily understood geography for analysis
- Data Source: ApartmentTrends.com
 - <u>http://www.apartmenttrends.com/html/</u> <u>maps/areaaus.cfm</u>



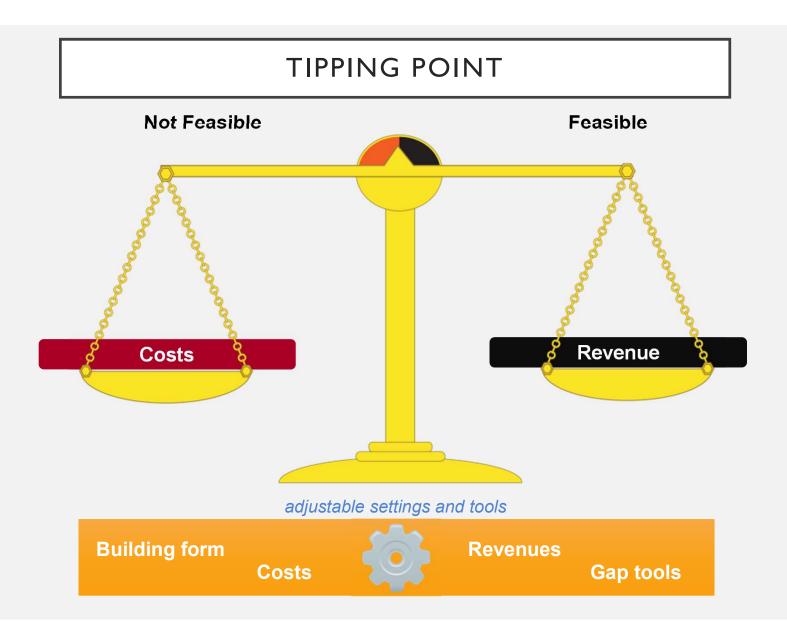
Step 3: Run Envision Tomorrow Development Feasibility Tool

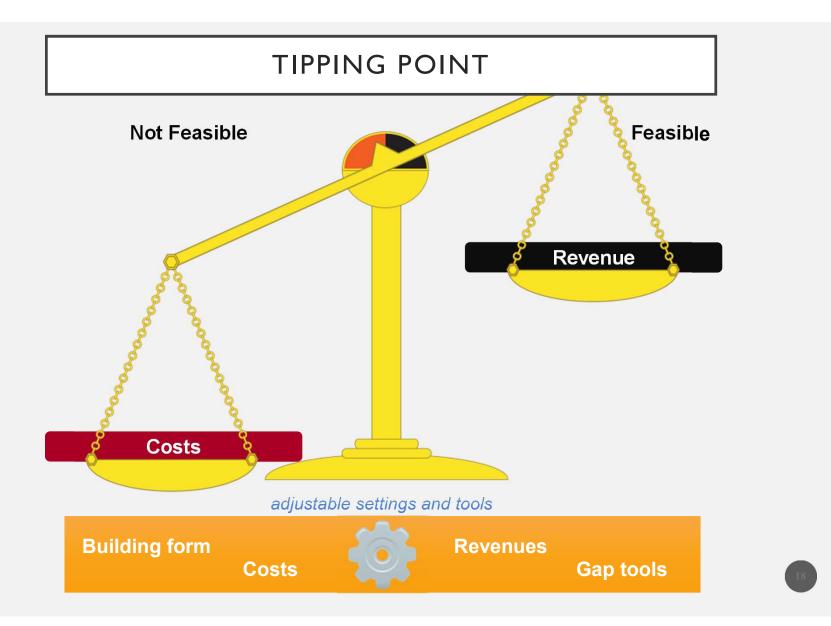
- "Achievable rent" determined for every parcel in Austin
- Analysis done for 7 common building types in Austin:
 - SF Home
 - Duplex
 - Rowhouse
 - Multiplex
 - Low Rise Apartment (3 stories)
 - Mid Rise Apartment (4 stories)
 - Main Street Mixed Use (4-over-1)

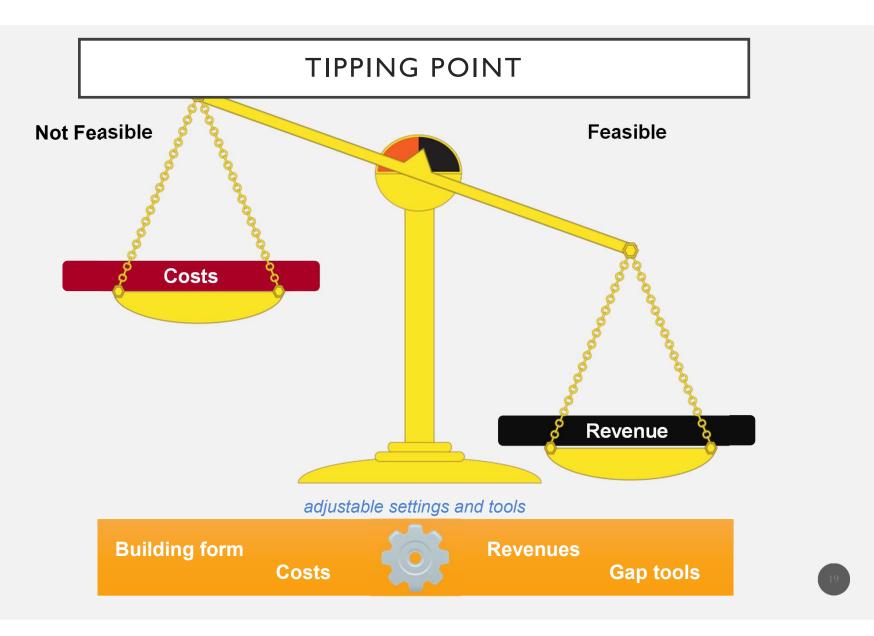


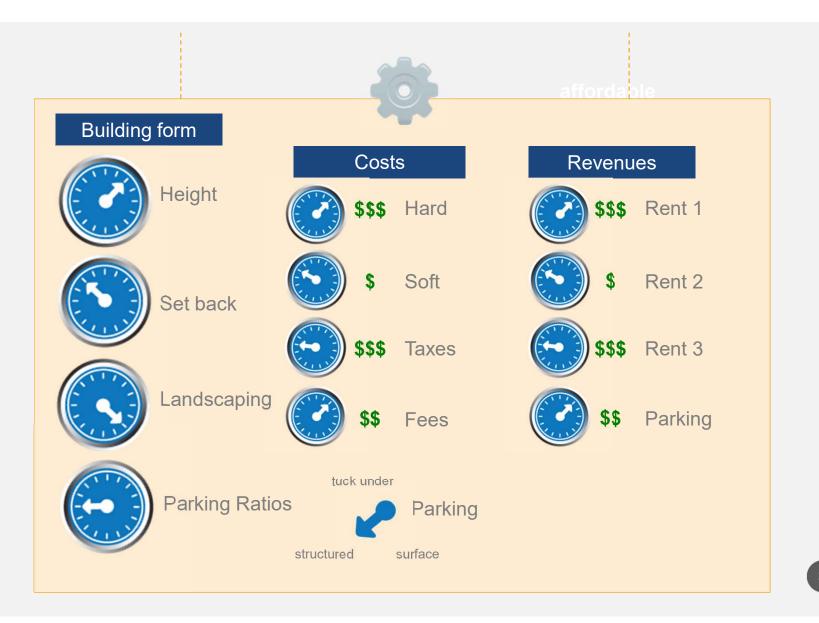
Envision Tomorrow for Redevelopment Feasibility Analysis

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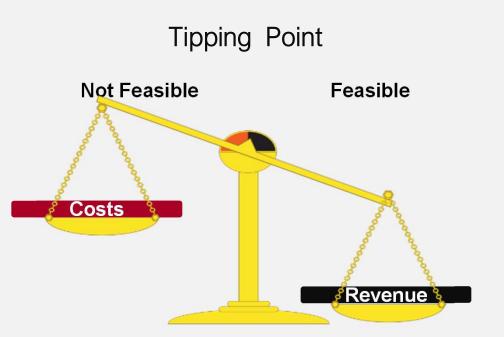


Step 4: Determine Market Feasibility Ratio on every parcel by building type

Market Ratio =

Achievable Rent / Submarket Average Rent

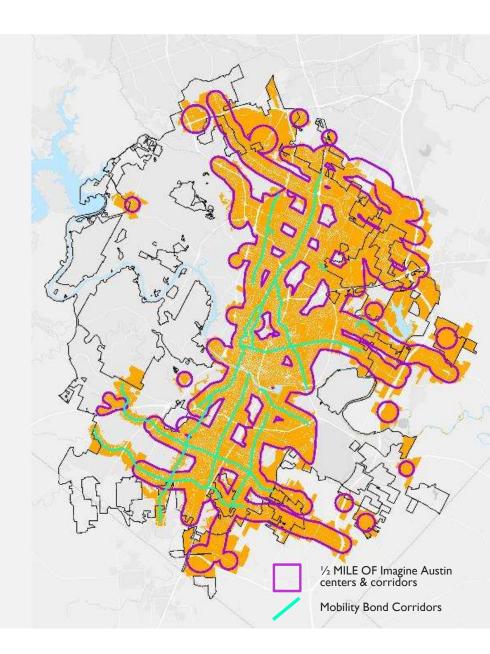
- Parcel is "market feasible" today when ratio = 1
 - Ratio >= I means achievable rent is equal to or above submarket rents
 - Building is feasible when it is able to achieve rents equal to market



Step 5: Determine parcels with high potential for (re)development

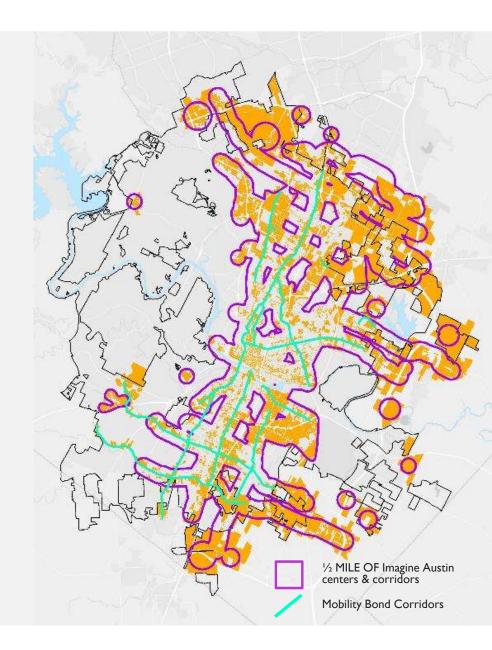
Included:

- Parcels within ½ mile of Imagine
 Austin centers & corridors
- Parcels within ¹/₄ mile of mobility bond corridors
- PUDs



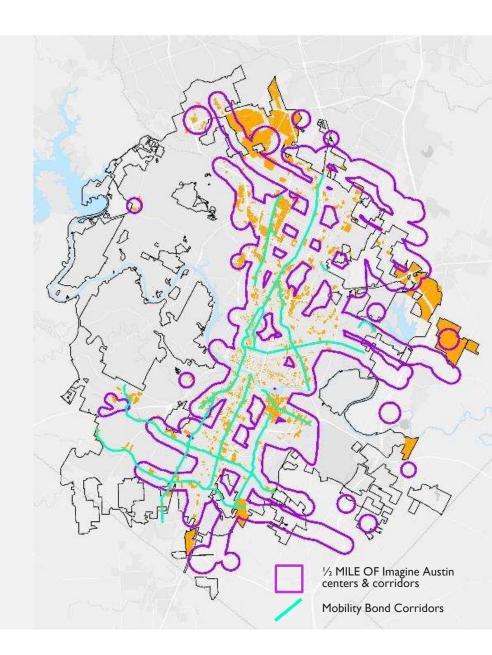
Step 5: Determine parcels with high potential for (re)development

- <u>Removed:</u>
 - Stable single family
 - Public lands, open space, educational, roads/utilities, environmentally constrained land
 - Historic districts
 - Developed parcels < 10,000 sqft
 - Parcels developed after 2010



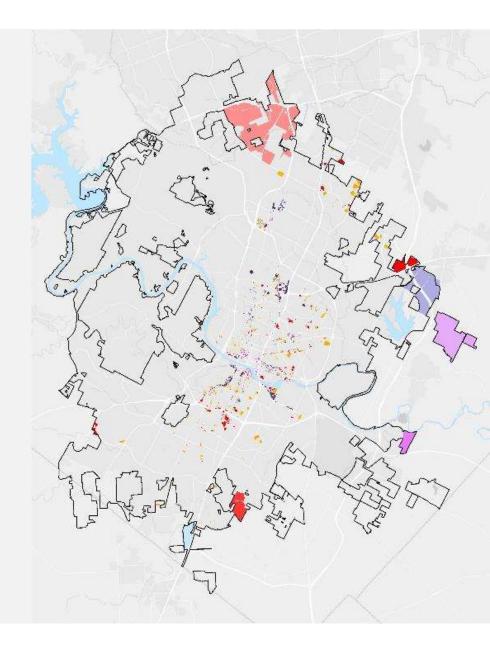
Step 5: Determine parcels with high potential for (re)development

- <u>Removed:</u>
 - Parcels with market feasibility ratio <u>less than</u> 0.75
 - 0.75 and above captures parcels with longer term potential (i.e., beyond 10 years)



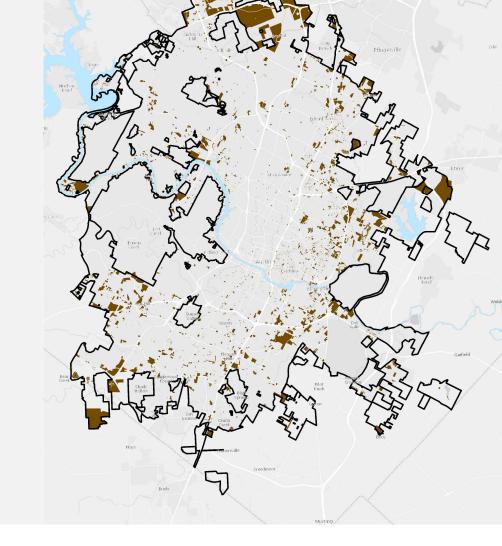
Critiques

- I) Expand beyond Centers and Corridors
- 2) <u>Allow mixed use on</u> <u>commercial parcels</u>
- 3) <u>Limit redevelopment</u> <u>ratio to l or better</u> <u>(market feasible)</u>
- 4) <u>Remove Robinson Ranch</u> <u>PUD</u>



Updated Buildable Lands

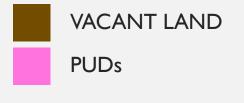
• Start with Vacant Land

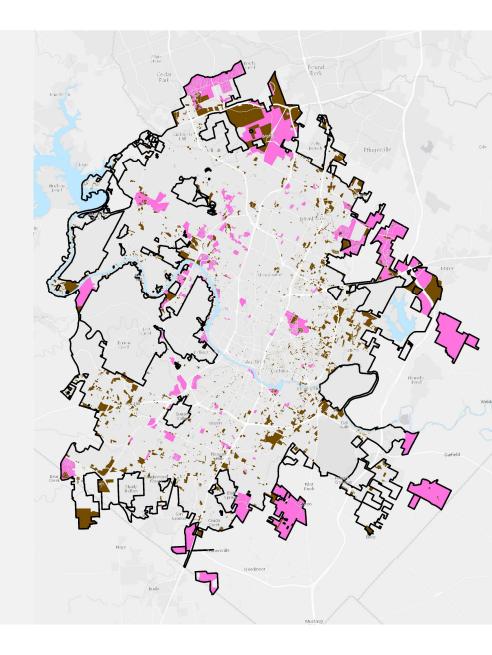




Updated Buildable Lands

- Start with Vacant Land
- Include PUDs



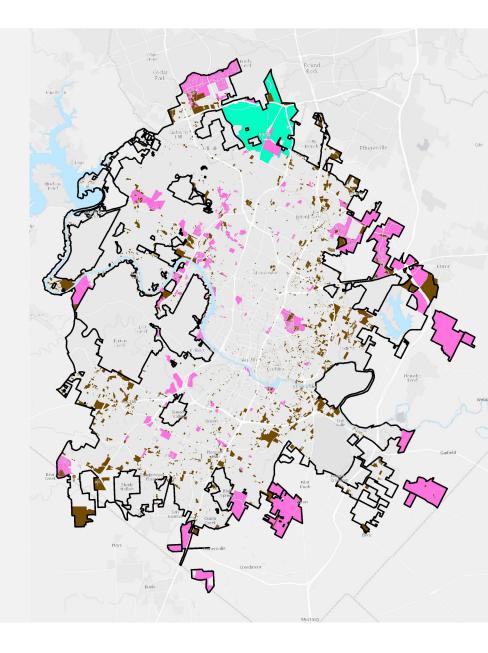


Updated Buildable Lands

- Start with Vacant Land
- Include PUDs
- Remove Robinson Ranch PUD
 - ~24,000 HU in previous analyses

Robinson Ranch PUD



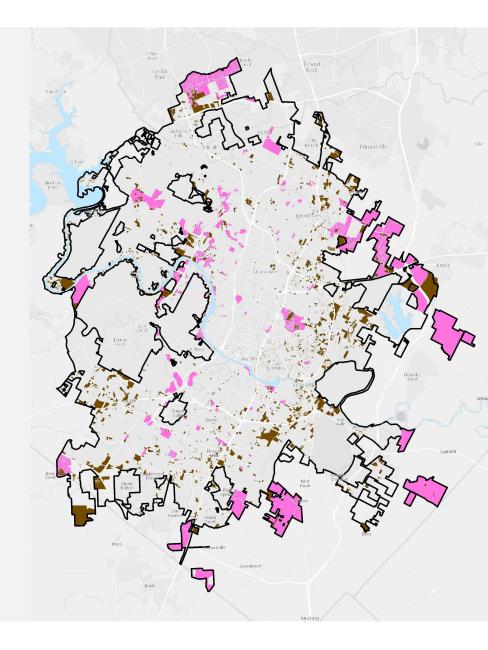


Updated Buildable Lands

- Start with Vacant Land
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Robinson Ranch PUD



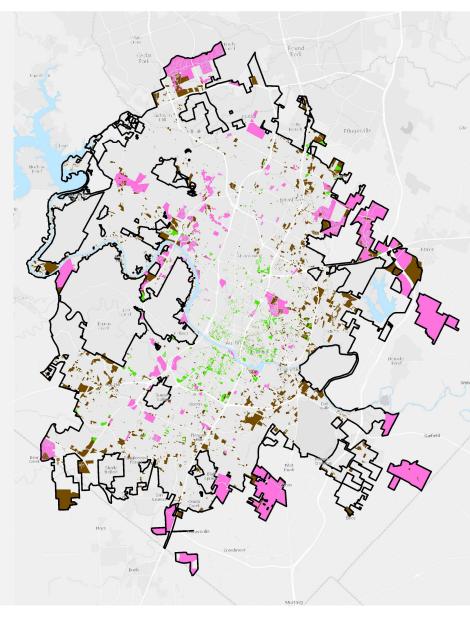


Updated Buildable Lands

- Start with Vacant Land
- Include PUDs
- Remove Robinson Ranch PUD
 - ~24,000 HU in previous analyses
- Include all parcels with a <u>Market Ratio >= I</u>

VACANT LAND PUDs

Development Feasible Parcels



Updated Buildable Lands

- Start with Vacant Land
- Include PUDs
- Remove Robinson Ranch PUD
 - ~24,000 HU in previous analyses
- Include all parcels with a <u>Market Ratio >= I</u>
 - Draft 2 Analysis Includes Commercial Lands now assigned MU Zones

VACANT LAND

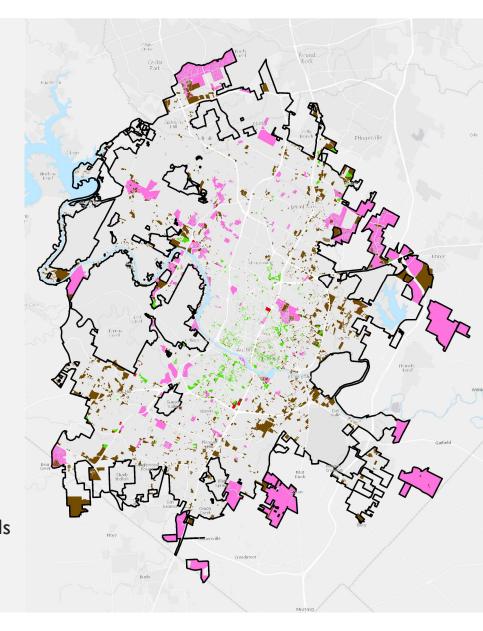
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Development Feasible Parcels

PUDs

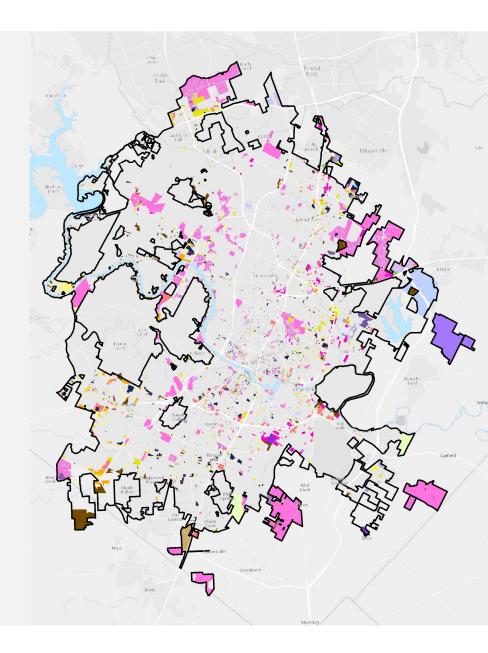


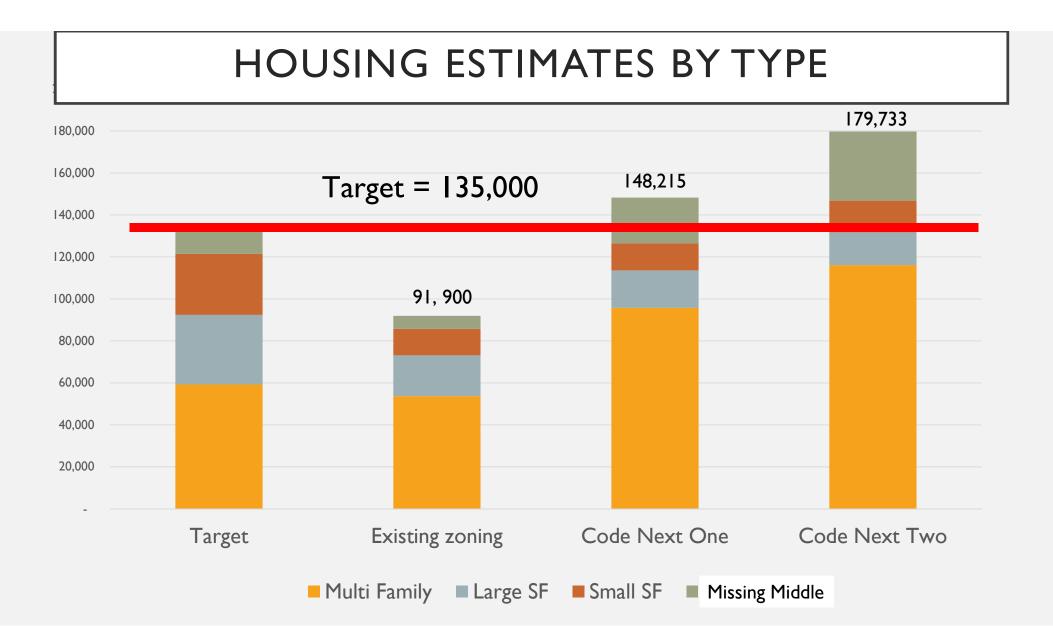
New MU Zones

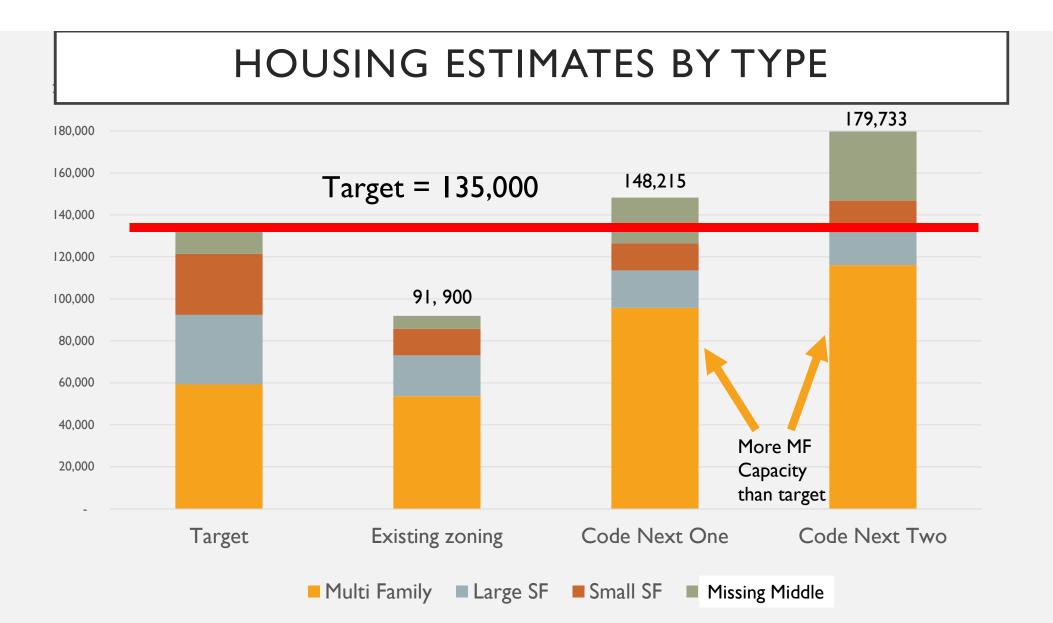


Assign New Zones

 Calibrate Envision Tomorrow to calculate based on new zoning standards and map







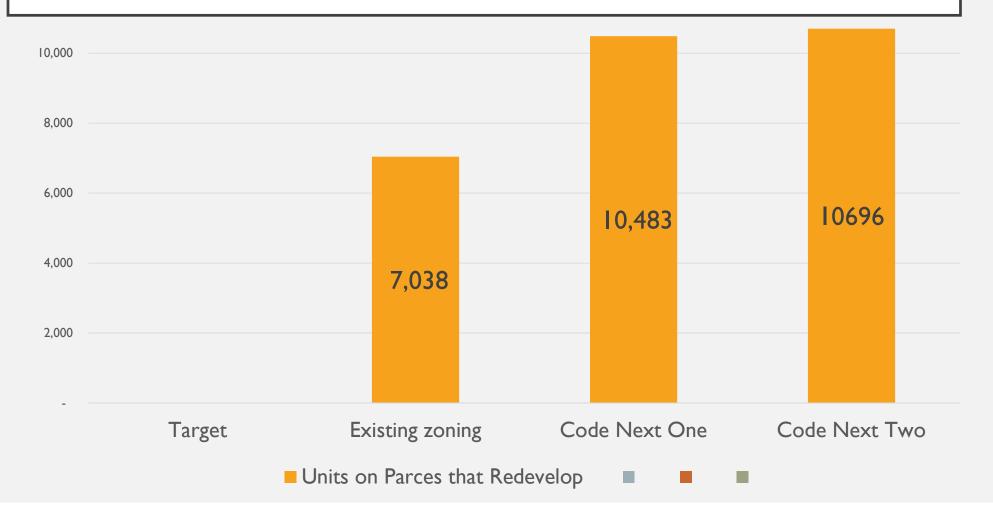
HOUSING ESTIMATES BY TYPE EXCESS MF CAPACITY ELIMINATED

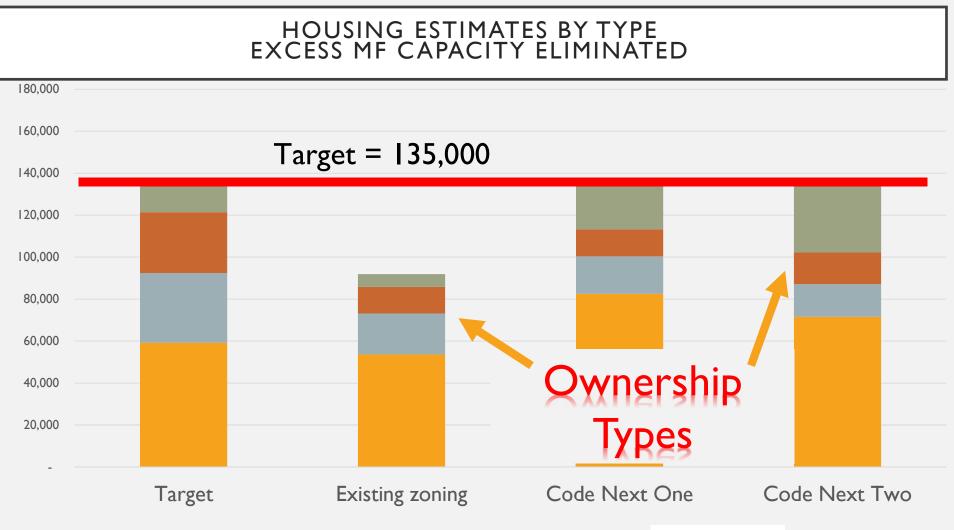


UNITS ON PARCELS THAT REDEVELOP

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UNITS ON PARCELS THAT REDEVELOP





Multi Family Large SF Small SF Missing Middle

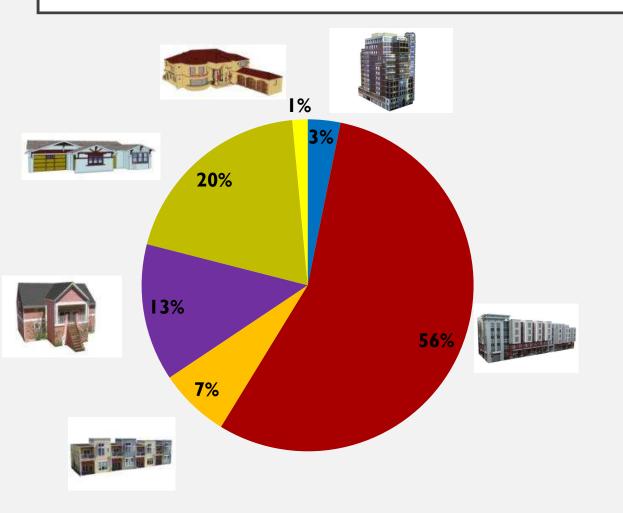
HOUSING ESTIMATES BY TYPE PERCENT MIX



HOUSING ESTIMATES BY TYPE PERCENT MIX EXCESS MF CAPACITY ELIMINATED



EXISTING ZONING – CAPACITY BY BUILDING TYPE



Residential Towers (15+ Stories)

Mid-Rise Multifamily (3-8 Stories)

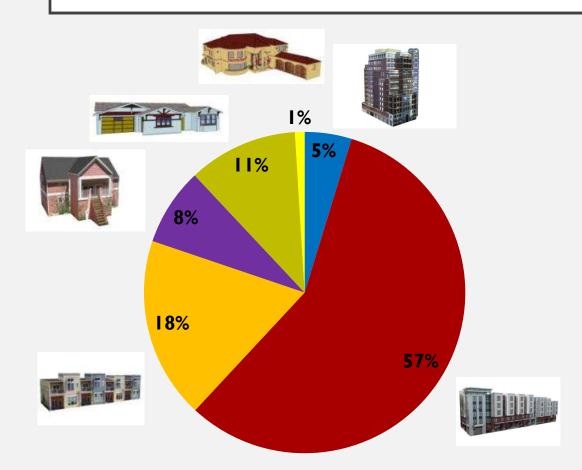
 Townhome, Duplex or Rowhouse (Missing Middle)

Compact Single Family

Standard Single Family

Large-lot/Estate Homes

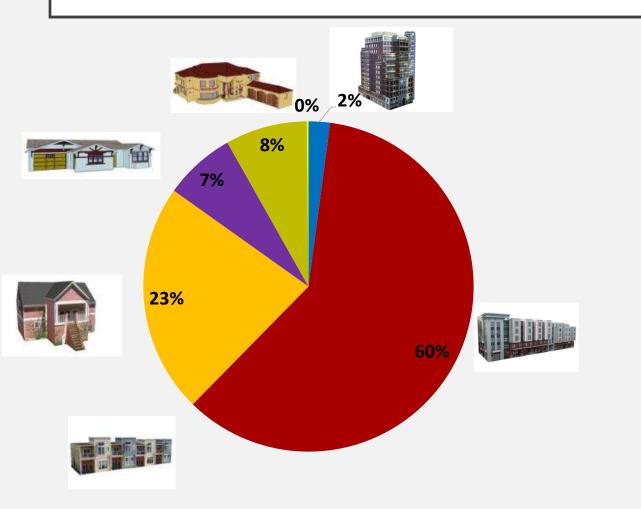
CODENEXT DRAFT I - CAPACITY BY BUILDING TYPE





- Mid-Rise Multifamily (3-8 Stories)
- Townhome, Duplex or Rowhouse (Missing Middle)
- Compact Single Family
- Standard Single Family
- Large-lot/Estate Homes

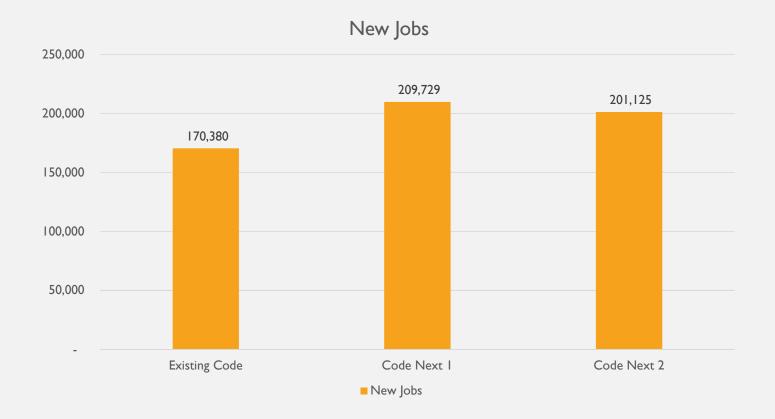
CODENEXT DRAFT 2 - CAPACITY BY BUILDING TYPE



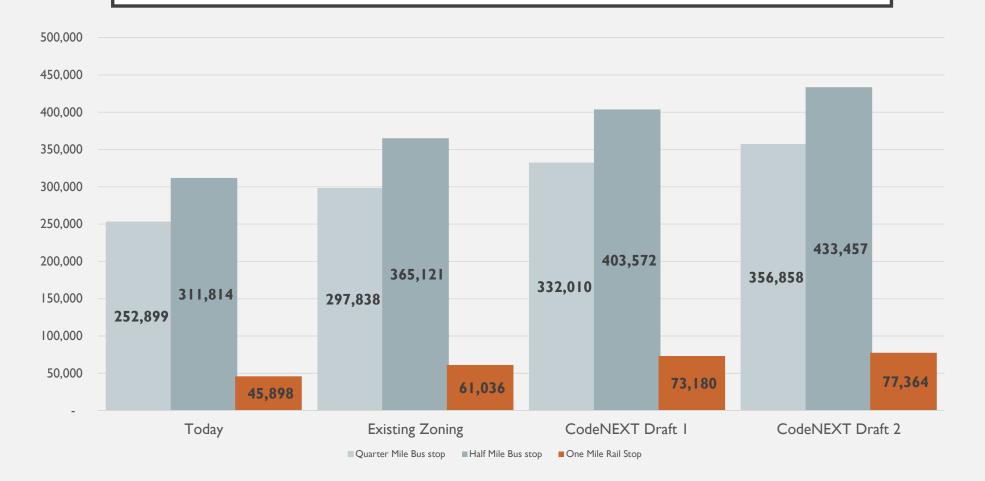
Residential Towers (15+ Stories)

- Mid-Rise Multifamily (3-8 Stories)
- Townhome, Duplex or Rowhouse (Missing Middle)
- Compact Single Family
- Standard Single Family
- Large-lot/Estate Homes

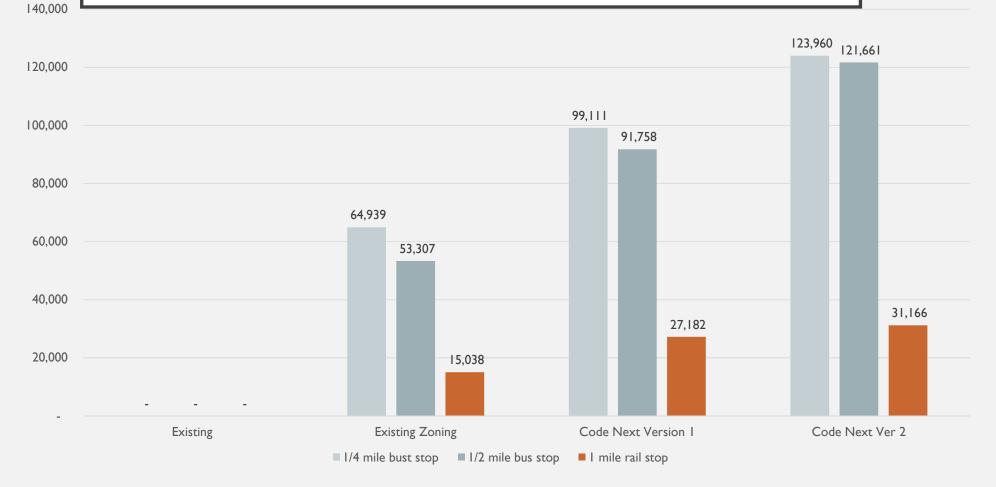
NEW EMPLOYMENT



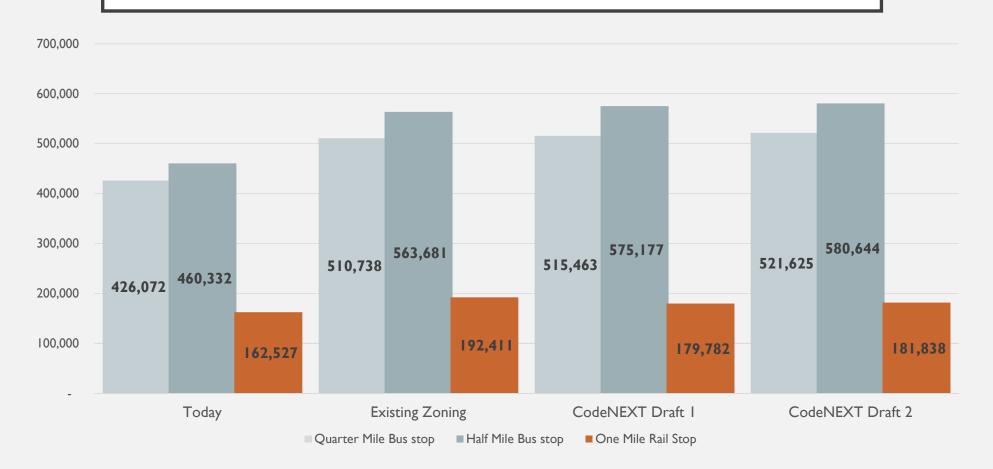
TRANSIT - HOUSING



TRANSIT – HOUSING DEhattAtle

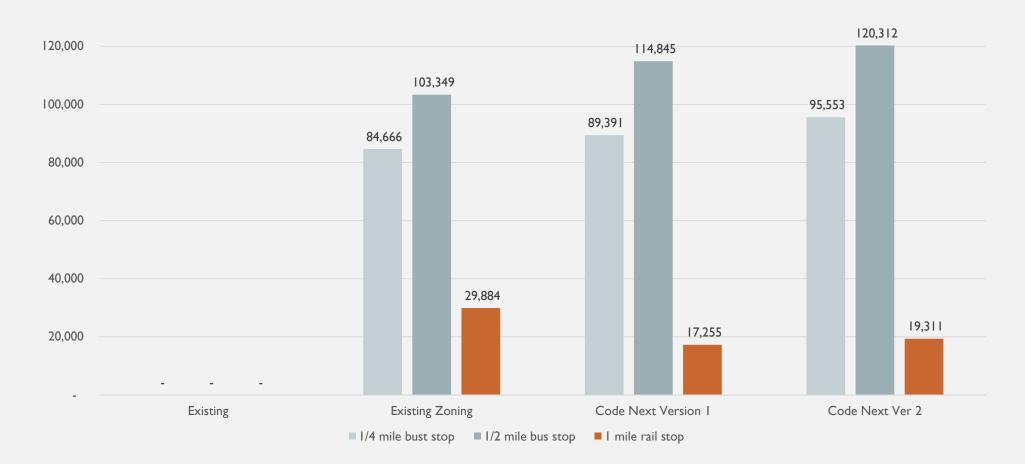


TRANSIT - EMPLOYMENT



TRANSIT – EMPLOYMENT DEhattAtle

140,000



LEFT TO DO

- Update housing costs
- Estimate of ADU's
- Estimate and feasibility of infill in R Zones
- Estimate of affordable units
- Estimate of units by rent or cost (affordability of entire housing stock)
- More Economic Indicators
- Taxes and income
- Remaining indicators