



Kem C. Gardner
POLICY INSTITUTE
THE UNIVERSITY OF UTAH

DAVID ECCLES SCHOOL OF BUSINESS

The Utah Roadmap

January 16, 2020

INFORMED DECISIONS™

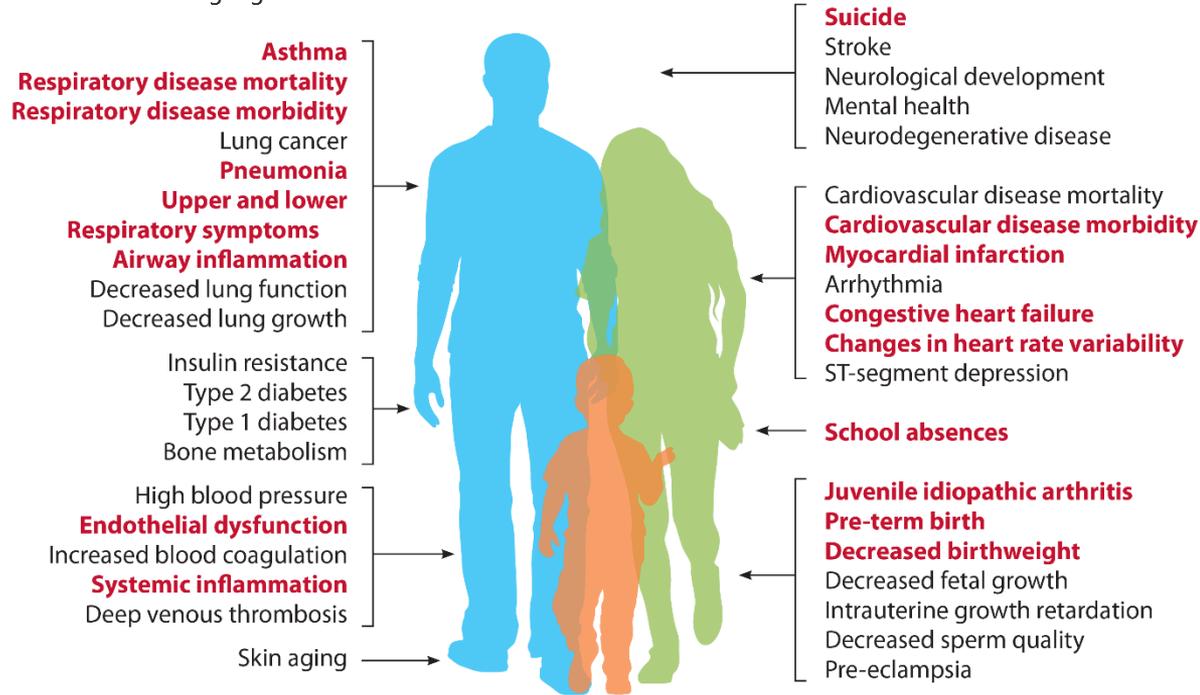
Kem C. Gardner Policy Institute | 411 East South Temple Street, Salt Lake City, Utah 84111 | 801-585-5618 | gardner.utah.edu

Technical Advisory Committee



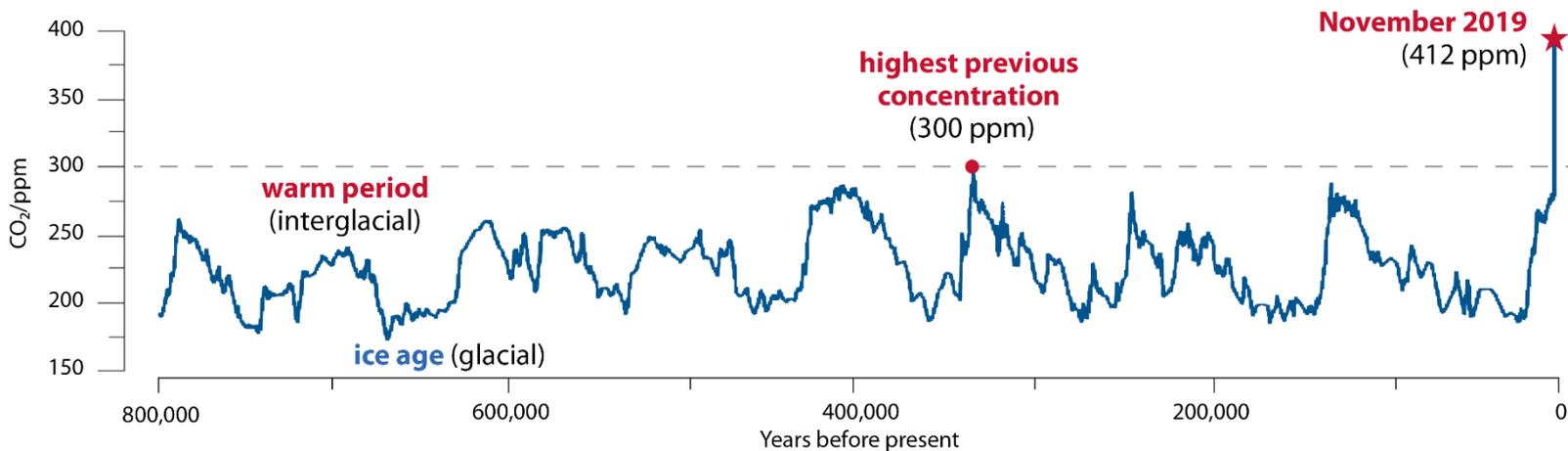
Health Effects of Air Emissions and Pollutants

Utah-based health studies highlighted in **red**



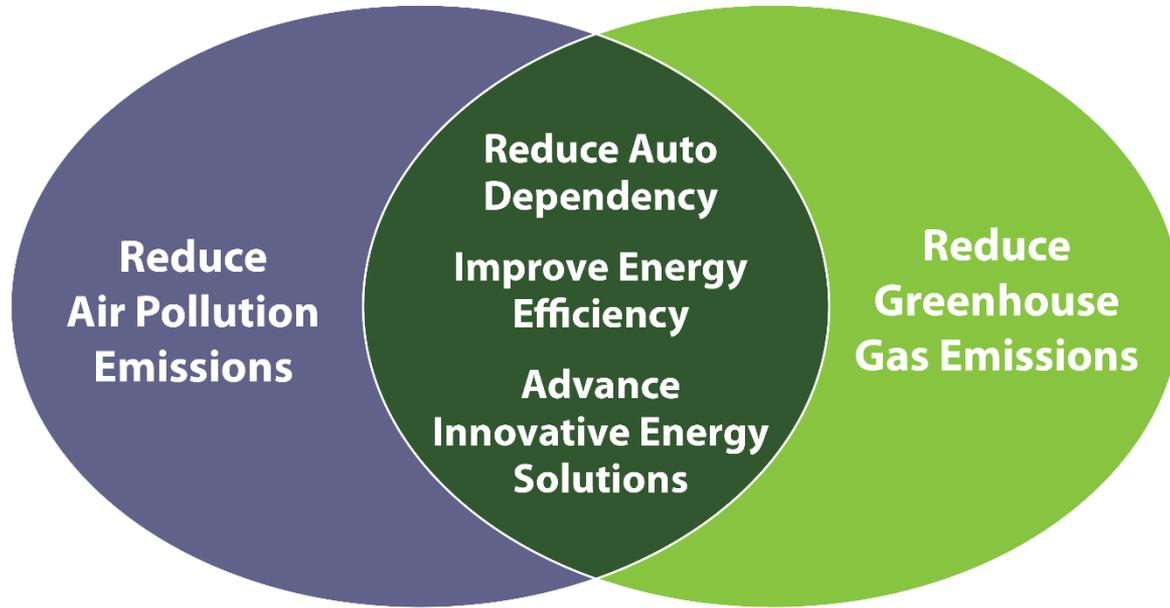
Source: Adapted from Thurston et al., 2017: Utah health studies included in additional reference list.

CO₂ Concentration for the Past 800,000 Years

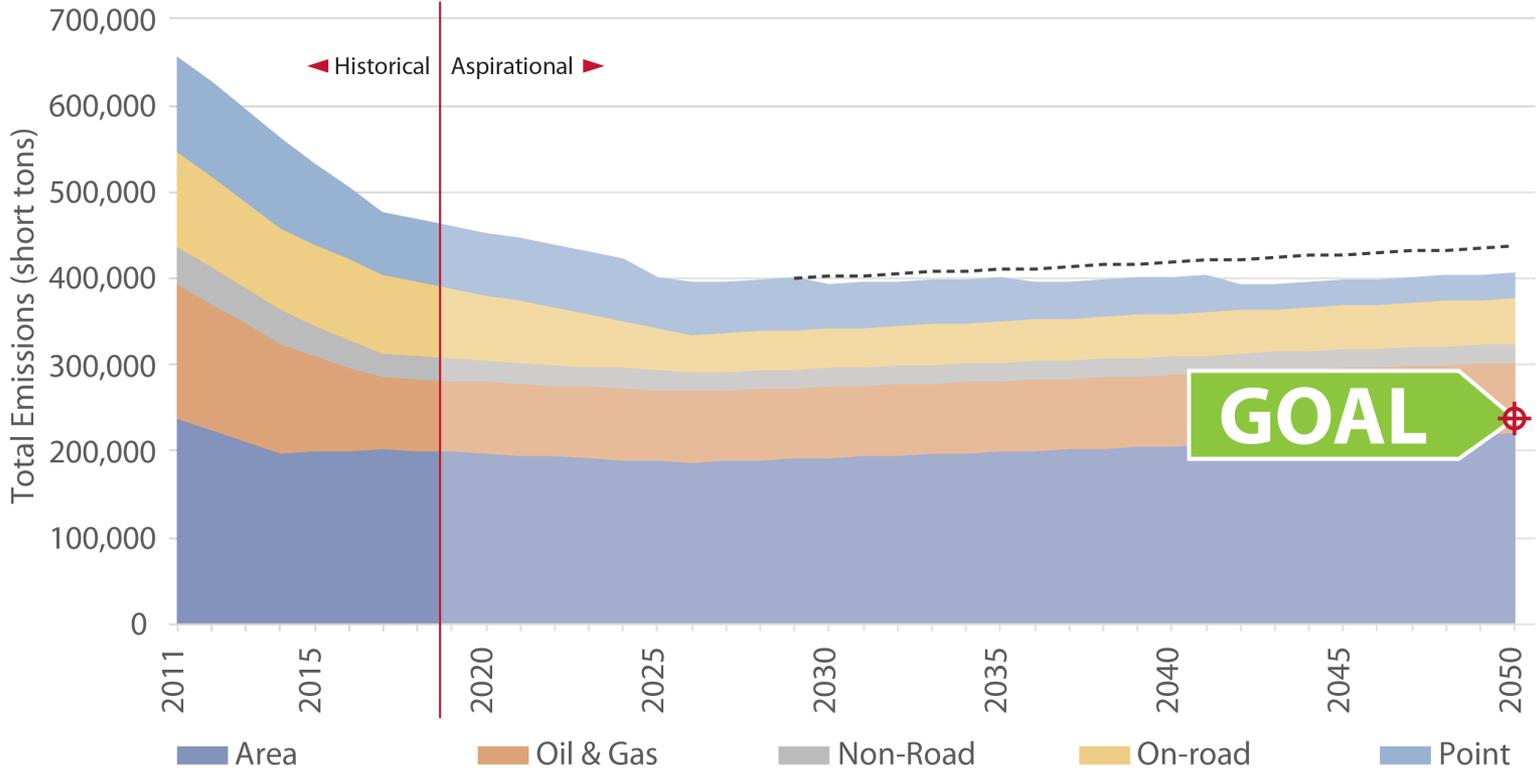


Source: U.S. National Academies of Science, NASA

The Air Quality/ Changing Climate Connection

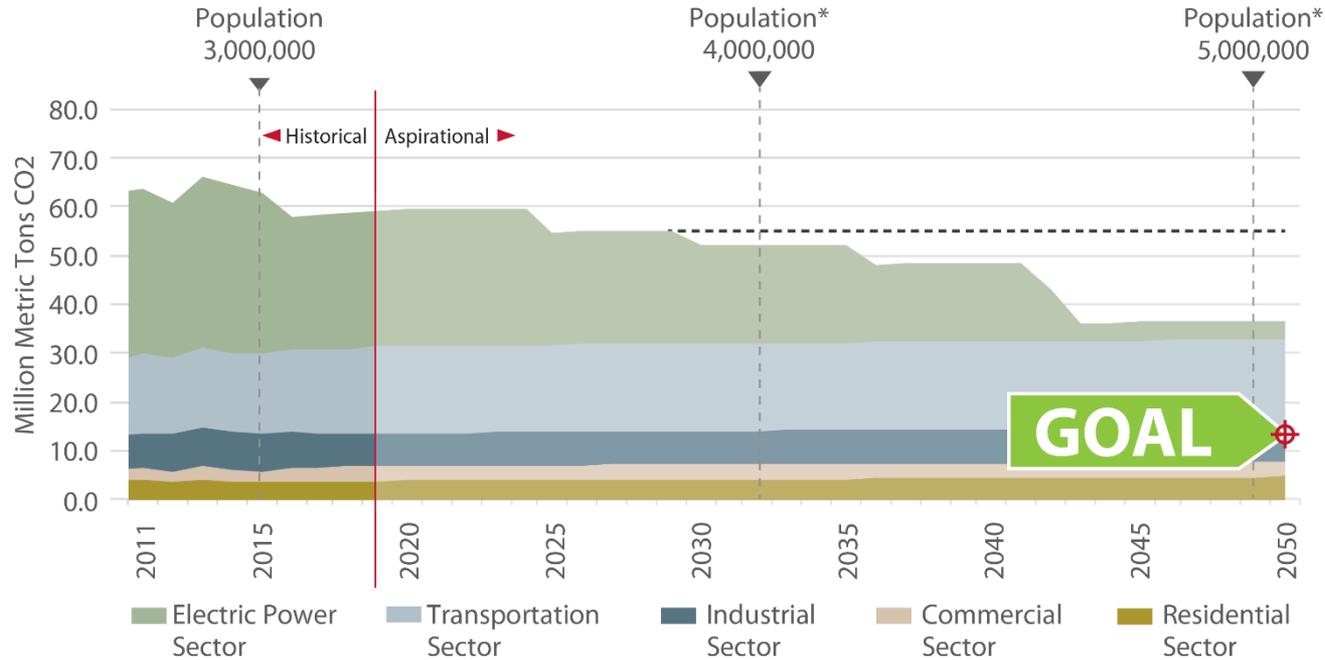


Utah's Air Emissions Baseline



Source: Utah Department of Environmental Quality (historical), and Kem C. Gardner Policy Institute (aspirational)

Utah's Carbon Dioxide Emissions Baseline



Source: US Energy Information Administration (EIA) based on the combustion of fossil fuel (historical), and Kem C. Gardner Policy Institute (aspirational)

* Projected

1. Potential scenario dates for the Bonanza (2030), Huntington (2036), and Hunter (2042) power plant closures are notional.
2. Closures of Huntington, Bonanza and Hunter power plants delayed beyond 2050.

Recommendations

MILEPOST

1

Adopt emissions-reduction goals and measure result

MILEPOST

2

Lead by example

MILEPOST

3

Create a premier air quality/changing climate solutions laboratory

MILEPOST

4

Accelerate quality growth efforts

MILEPOST

5

Position Utah as the market-based EV state

MILEPOST

6

Provide economic transition assistance to rural communities

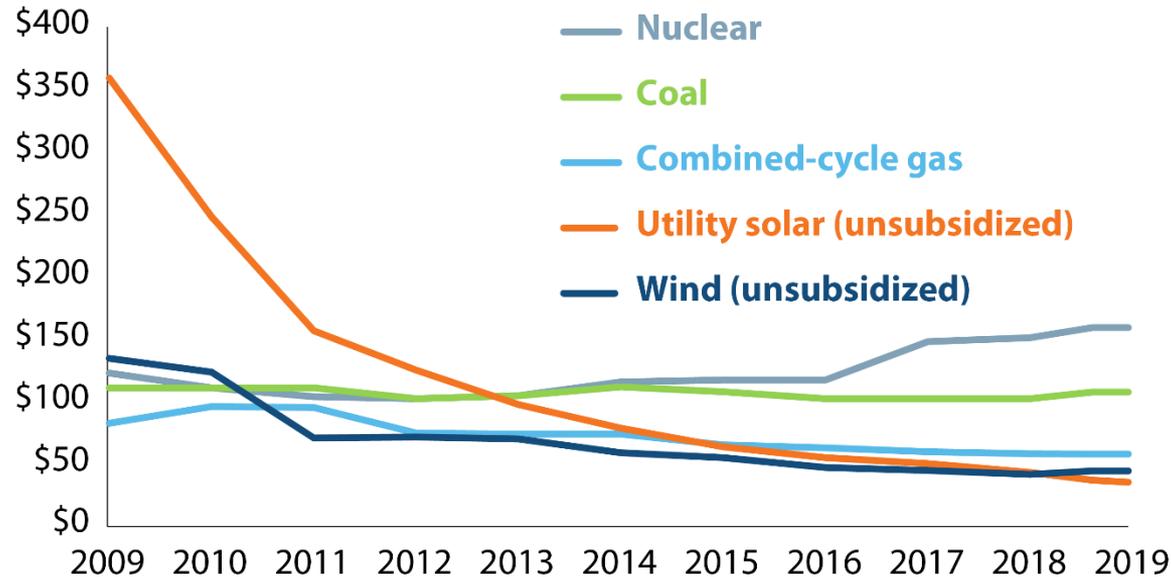
MILEPOST

7

Participate in national dialogue about market-based approaches to reduce carbon emissions

Cost of Utility-Scale Solar Generation Sees Steep Decline

Levelized Cost of Electricity (LCOE) – \$/MWh



Note: LCOE shown is the mid-point of the range given by Lazard

Source: Lazard, Levelized Cost of Energy Analysis, Version 13.0

Kem C. Gardner Policy Institute

David Eccles School of Business | 411 E. South Temple Street
Salt Lake City, UT 84111 | 801-585-5618 | gardner.utah.edu





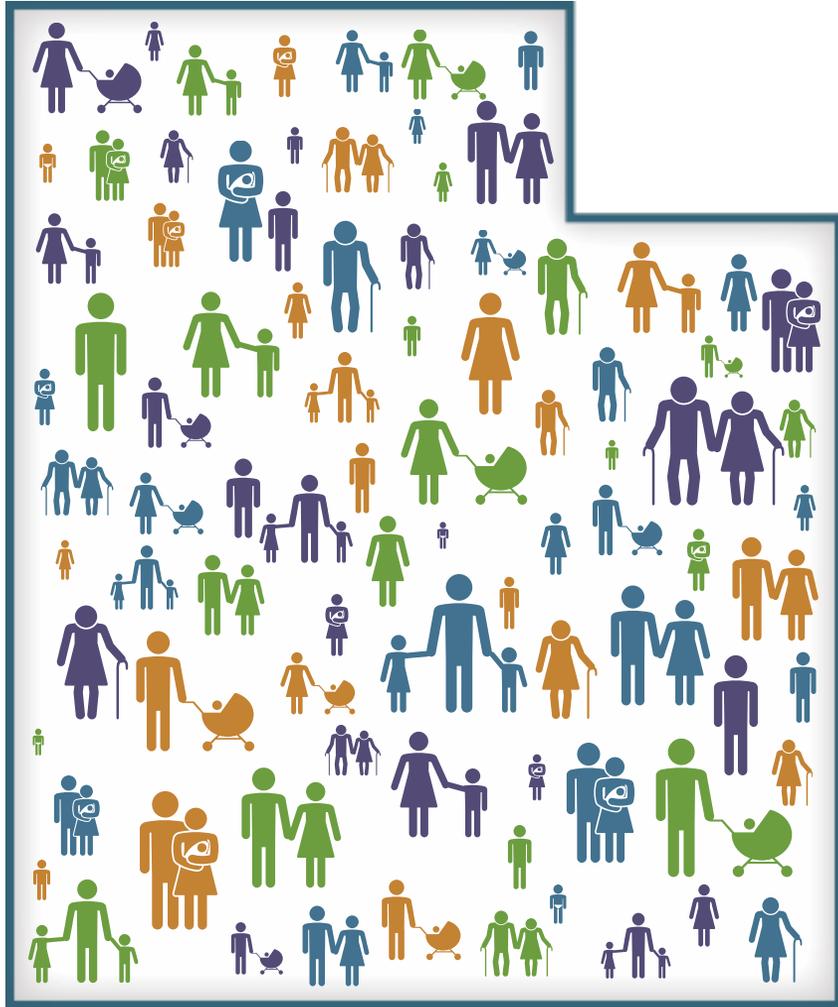
Planning Strategy Discussion

16 January 2020

RGC



Utah is Growing



The Salt Lake Tribune

Utah is the nation's fastest-growing state this decade



weebly

The Website Plan For You



Get A Plan Specially Made For Websites.





WASATCH CHOICE

2050

VISION FOR OUR FUTURE

Utah is growing... and we have a plan. Our future quality of life depends on the choices we make today. Wasatch Choice 2050 is our communities' shared vision for transportation investments, development patterns, and economic opportunities. The Vision map and key strategies show how advancing the Vision can enhance quality of life even as we grow.

Key Strategies

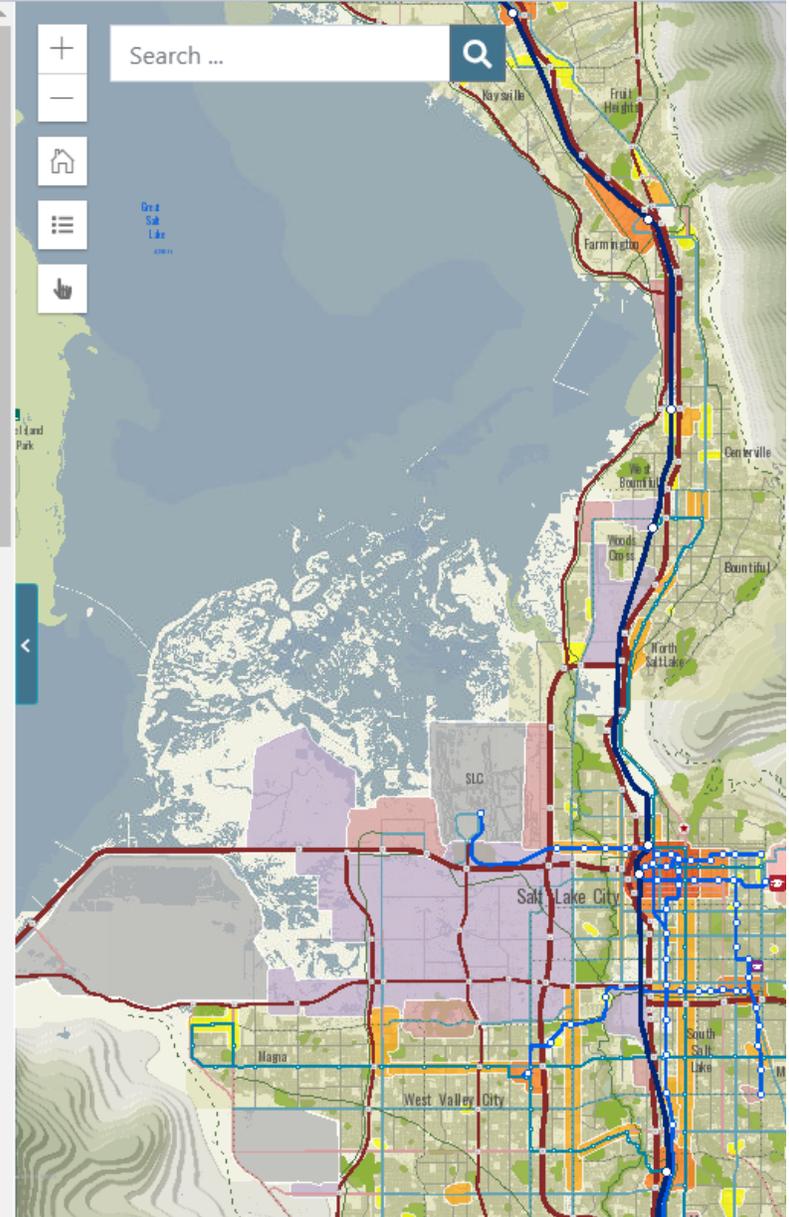
The Wasatch Choice 2050 Vision is built on four key strategies:

- 1** Provide transportation choices
- 2** Support housing options
- 3** Preserve open space
- 4** Link economic development with transportation and housing decisions

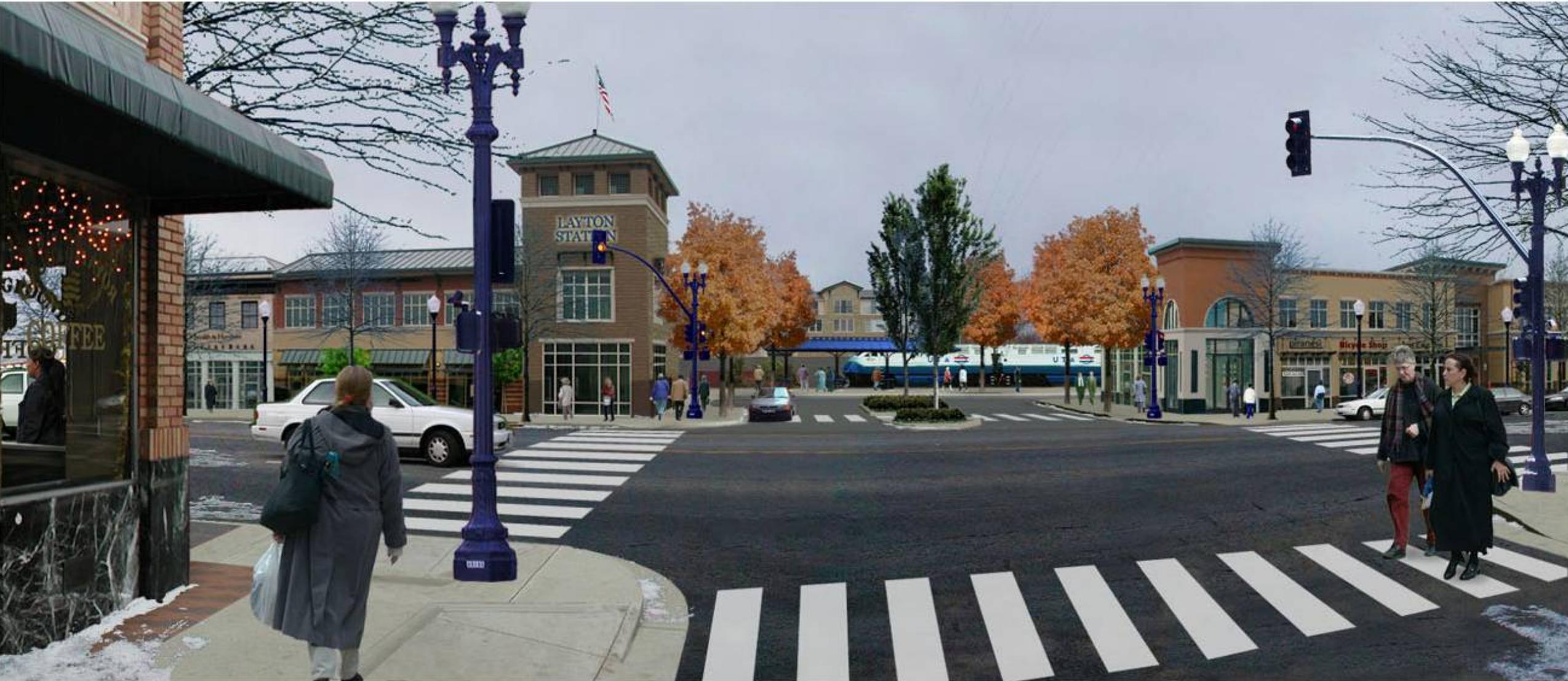
Benefits of the Vision

Implementing the Wasatch Choice 2050 Vision promotes high quality of life now and for generations to come.

- Livable and healthy communities
- Access to economic and educational opportunities
- Manageable and reliable traffic conditions
- Quality transportation choices
- Safe, user friendly streets
- Clean air
- Housing choices and affordable living expenses
- Fiscally responsible communities and infrastructure
- Sustainable environment
- Ample open space and recreational opportunities



Transportation and land use coordinated “on the street”



Two Key Questions

1. Are there additional ways to work together to achieve desired local outcomes?
2. How might we better prepare for new technologies and a changing economy?
3. How might we better prepare for a changing economy?

1. Additional ways to work together to achieve desired local outcomes?

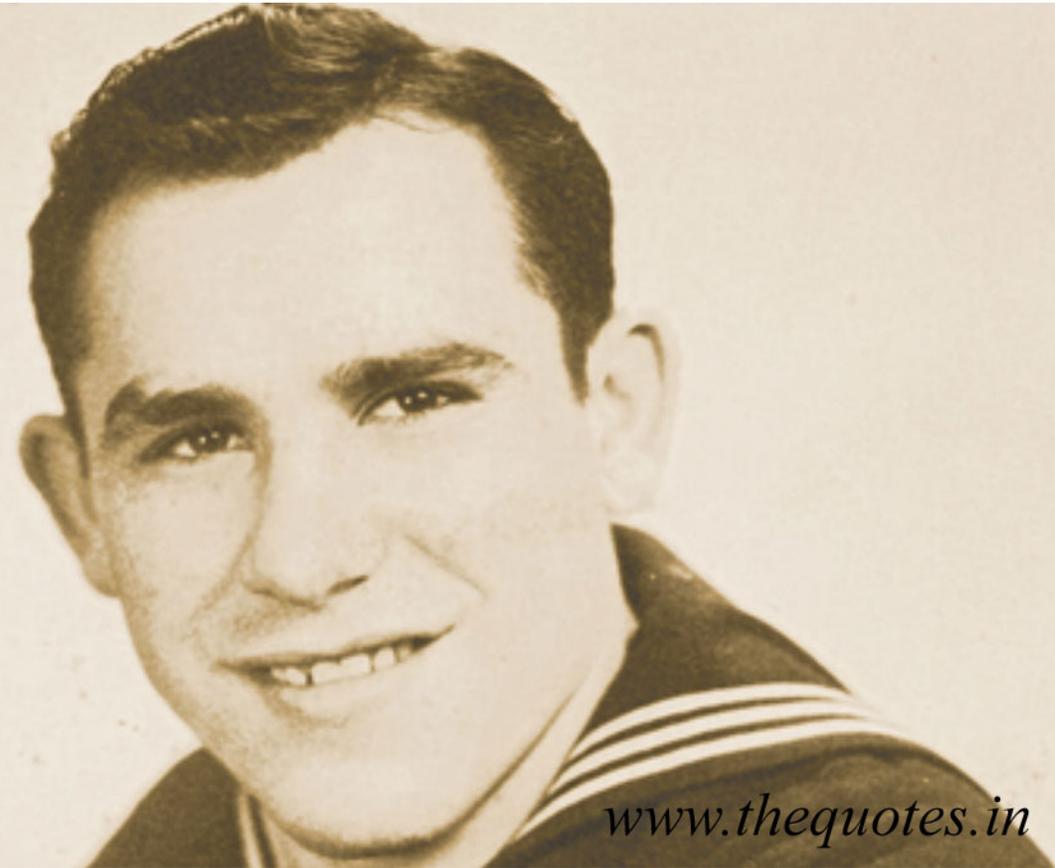


Examples...

- Senate Bill 34 (Housing) implementation?
- Improve the “fit”?
- Address NIMBY concerns?

The future ain't what it used to be.

Yogi Berra

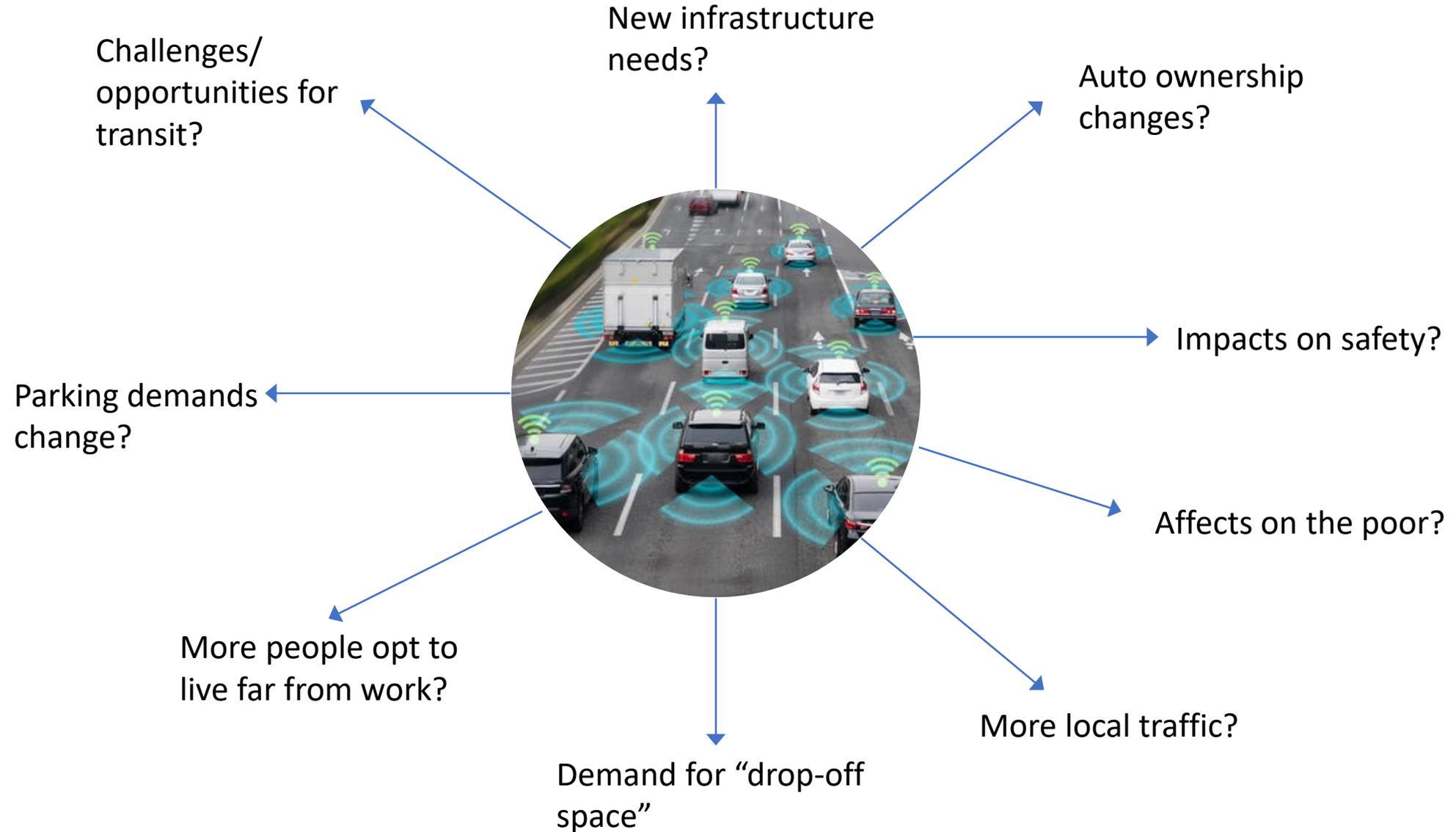


www.thequotes.in

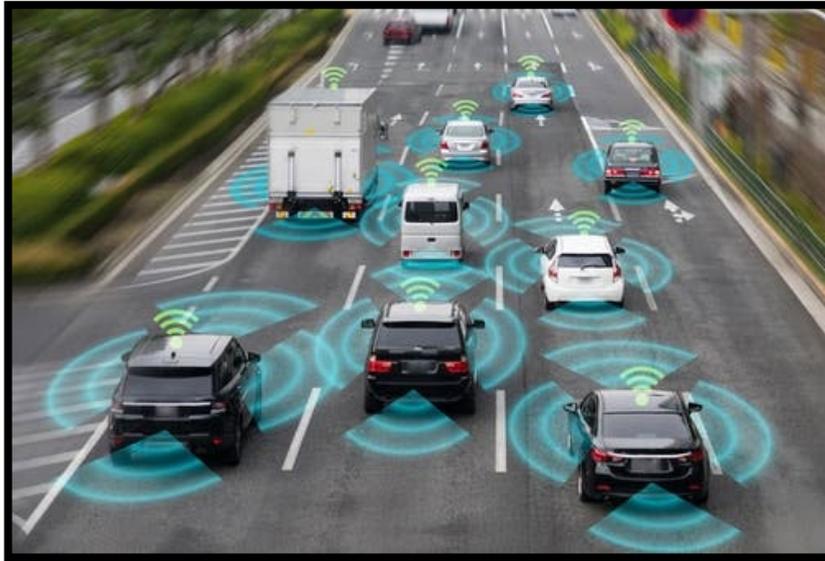
New and emerging technologies.....



Example: autonomous vehicles range of impacts



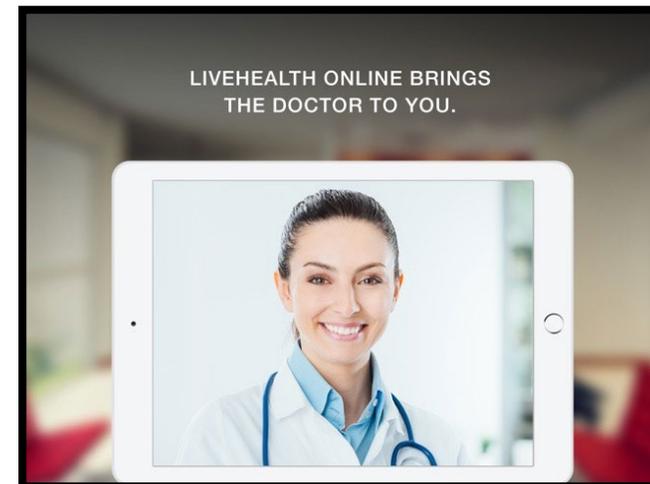
2. How might we better prepare for A) new technologies



2. How might we better prepare forB) a changing economy

Amazonization of.....

- Retail
- Cooking
- Healthcare
- Commuting
- Banking



Next steps

- Flesh out your feedback with our technical advisors
- Bring work-scope to you in March
- Begin work to further understand external forces
- More questions and guidance sought from RGC over time



Planning Strategy Discussion

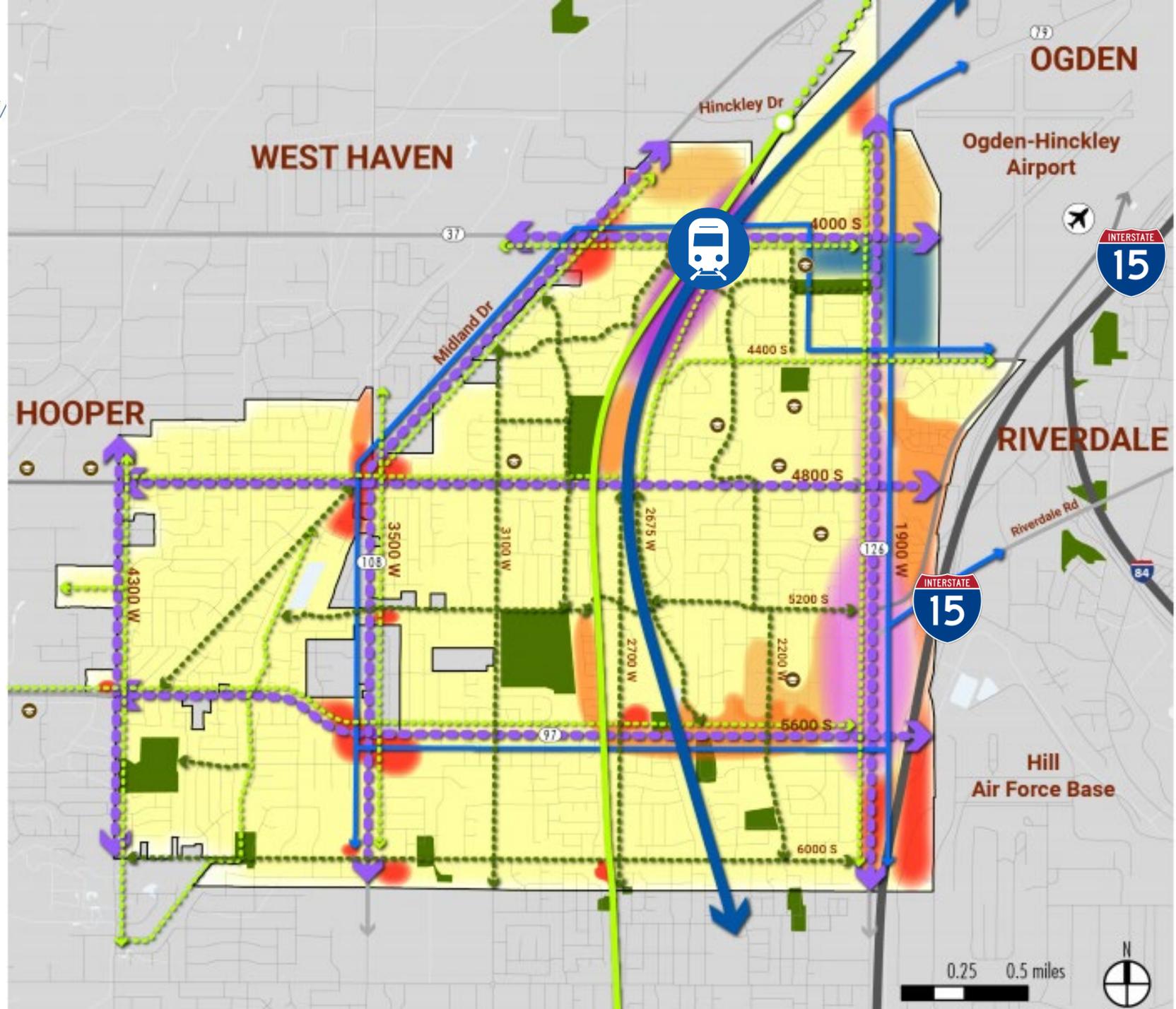
16 January 2020

RGC



Roy Example

Collaborating local and regional actions leads to better outcomes



The Cairns - A New Downtown for Sandy



BRIGHTON AND SOLITUDE SKI RESORTS (14.7 MI.)

SNOWBIRD AND ALTA SKI RESORTS (12.9 MI.)

94TH SOUTH - DIRECT TO SKI RESORTS

ALTAVIEW HOSPITAL

DIMPLE DELL TRAIL - STEPS TO RESORTS

TRAX LINE

HISTORIC SANDY STATION

SANDY EXPO STATION

MOUNTAIN AMERICA EXPO CENTER

SANDY CIVIC CENTER STATION

9000 SOUTH

JORDAN COMMONS

RIO TINTO STADIUM

9400 SOUTH

INCONTACT

CITY HALL

10000 SOUTH

THE SHOPS AT SOUTHTOWN

10600 SOUTH

AIRPORT 14 MI.

INTERSTATE 15

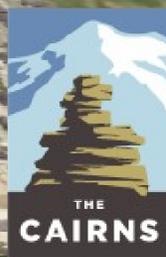
FRONTRUNNER LINE

SOUTH JORDAN FRONTRUNNER STATION

JORDAN RIVER PARKWAY AND TRAIL

RIVER OAKS GOLF COURSE (SANDY CITY COURSE)

FISHERY (SANDY CITY)



2. Prepare for what external forces?

Such as...

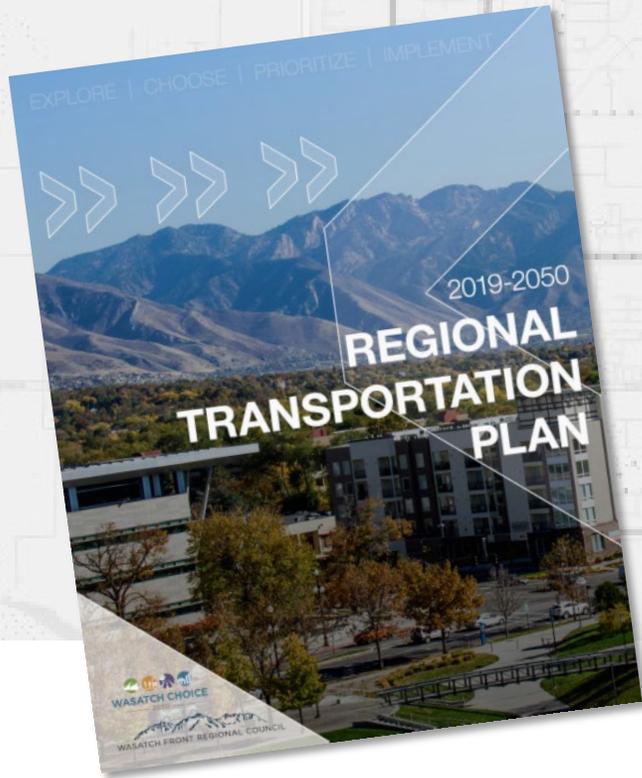
Technologies



Markets



Demographics



RTP Amendment Process Modifications

Regional Growth Committee // January 16, 2020



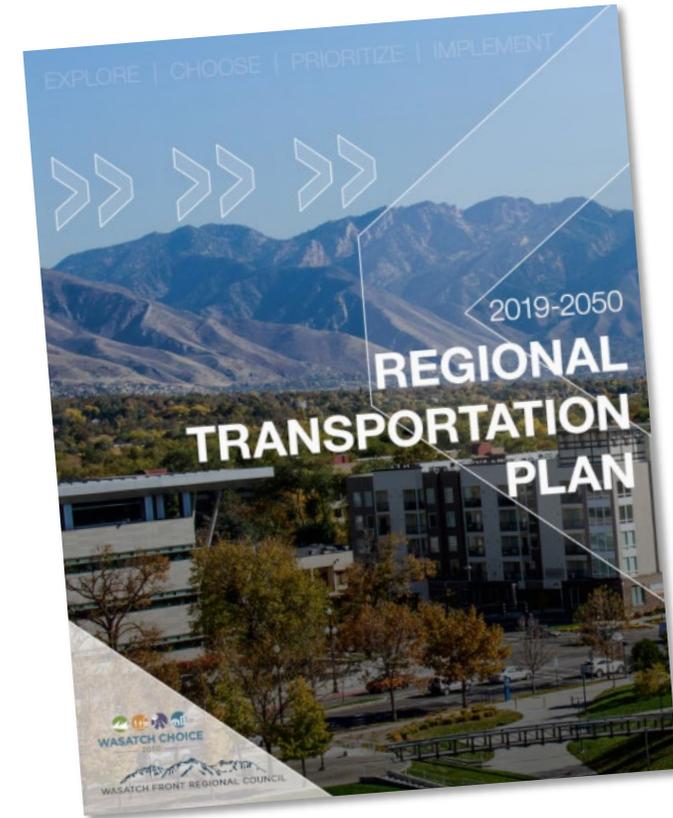
Regional Transportation Plan

Adopt an RTP every four years

Periodic adjustments between adoption cycles

Must consider:

- Financial constraints
- Public input
- Air quality conformity



**We want to be responsive to
new needs and opportunities.**

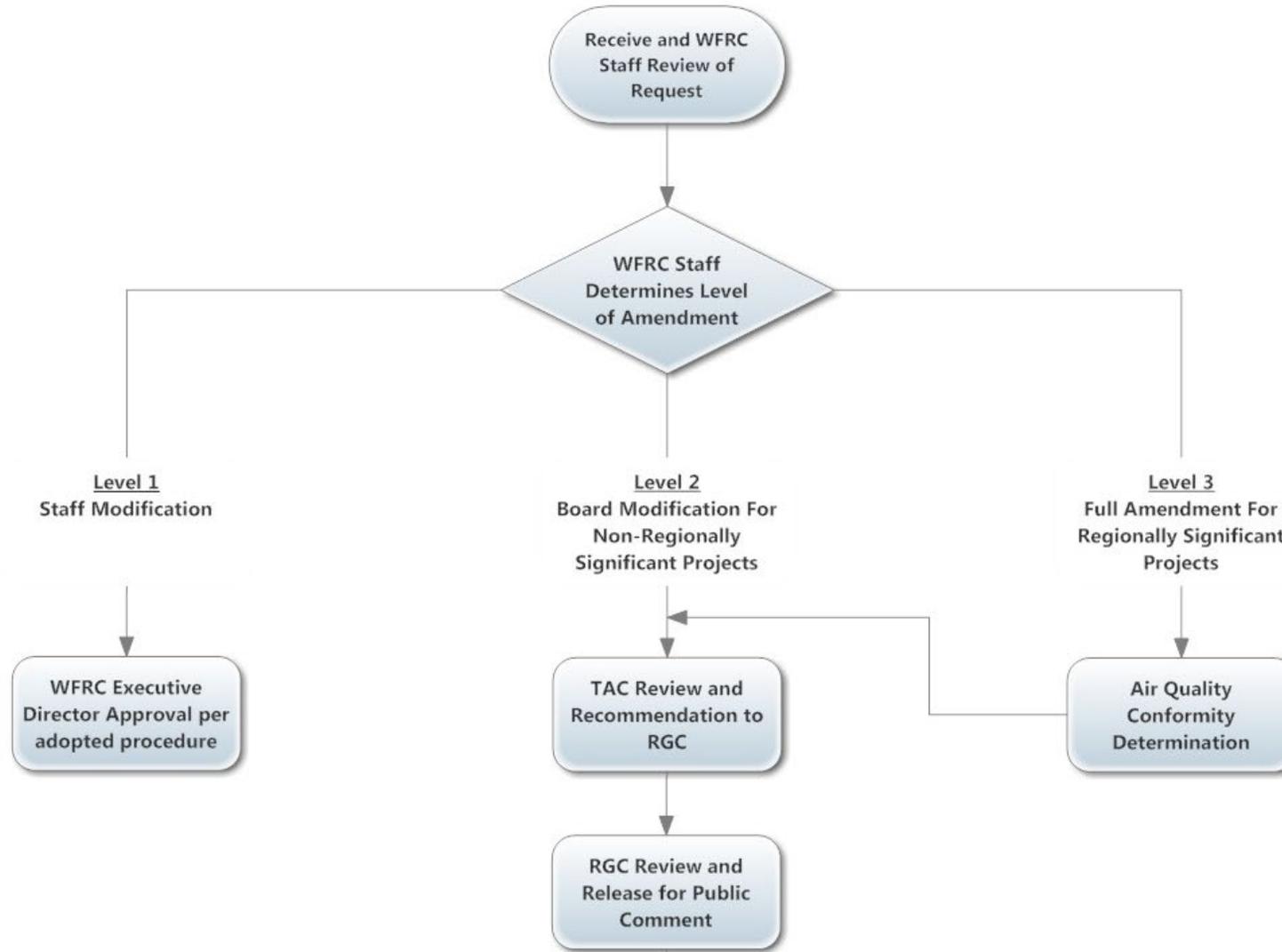


Current Process

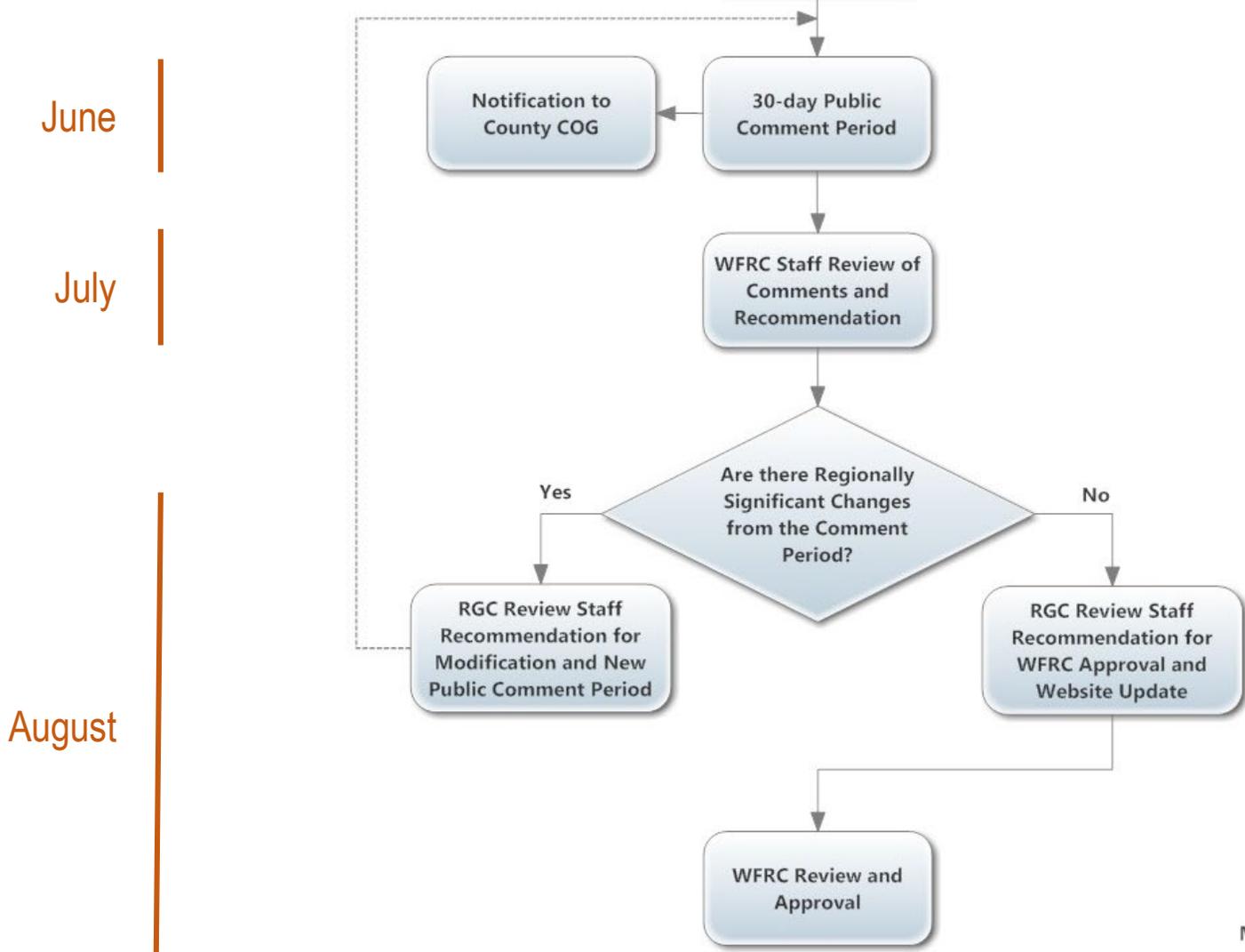
Before March

April

May



Current Process



June

July

August

March 10, 2016

Technical considerations

Technical Considerations:

	Safety, user-friendly streets
	Manageable and reliable traffic conditions
	Project Readiness
	Support Wasatch Choice 2050
	Connections to Clusters
	Job and Education Access (ATO)
	Supports Multimodal Transportation Choices Ridership
	Impacts Vulnerable Community
	Air Quality Conformity Analysis

**We are trying to balance rigor
with streamlined.**



Staff Ideas

Staff Modification	Board Modification
< \$10 Million	> \$10 Million
Collectors and below: <ul style="list-style-type: none"> • New construction • Widening • Corridor preservation • Phasing changes 	Minor arterials and above: <ul style="list-style-type: none"> • New construction • Widening • Corridor preservation • Phasing changes
Operational projects	
Core routes and express bus: <ul style="list-style-type: none"> • New construction • Phasing changes • Alignment changes 	BRT and rail: <ul style="list-style-type: none"> • New construction • Phasing changes • Alignment changes
Individual bicycle facilities	Full active transportation plan updates
General land use	Regionally significant centers

Next Steps

January

UDOT/UTA coordination/internal review

February

Technical Advisory Committee

- Review amendment proposal
- Updated funding source requirements

March

Regional Growth Committee

- Review and approval of amendment proposal
- Updated funding source requirements



Legislative Preview
Regional Growth Committee -- January 16, 2020



Welcome, and Welcome back...

Mayor Joy Petro, Layton City | Mayor Dan Knopp, Brighton Town | Mayor Jeff Silvestrini, Millcreek City | Mayor Erin Mendenhall, Salt Lake City | Mayor Dirk Burton, West Jordan City | Mayor Kelly Bush, Kearns Township | Mayor Dan Peay, Magna Township | Mayor Thomas Karjola, Stockton Town | Mayor Dale Fowers, Hooper City | Mayor S. Neal Berube, North Ogden City | Mayor Mike Caldwell, Ogden City | Mayor Gordon Cutler, Uintah City

2020 Legislative Session

WHAT WE ARE TRACKING

- Eliminate **UTA Transit Oriented Development** (TOD) cap, with enhanced consideration of land use and housing coordination by UTA when new TODs are considered
- Potential **bond bill** for road and transit projects
- Funding for **transit** expansion
- Allow state participation in **Transportation Reinvestment Zones** (TRZ)
- Commission on Housing Affordability (SB39) support for **affordable housing at TOD**
- Continued ongoing funding to WFRC for **planning assistance**

2020 Legislative Session

WHAT TO EXPECT DURING THE SESSION

- 1) **Weekly emails** on transportation and/or related legislation and other governmental affairs updates.
- 1) **Weekly meetings** with our members and key partners to discuss and prioritize relevant legislation - first meeting will be January 30, 2020 and continue every Thursday at 8am at the State Capitol, Senate Building, Aspen Room.
- 1) A **Bill Tracker** with relevant information for transportation, economic development, air quality, and land use related bills.