## Joint Sustainability Committee

# Climate Plan Revision - Goal Update

April 22, 2020

#### How do we choose a goal?

- What's necessary to meet 1.5C
- Take full responsibility in the global context
  - We have way more resources than others
  - We've already emitted way more than other
  - We're already reducing more than others
- Take responsibility for our historical emissions once beyond zero
- What's realistic in terms of adoption rates / change potential

Remember this isn't all just additional cost.

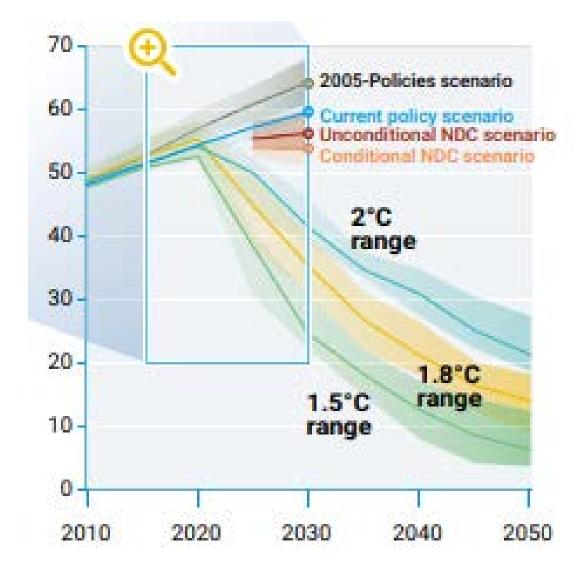
Avoiding catastrophic climate change has a positive NPV

Co-benefits of clear air, safety, less pollution, better ecosystems are all valuable

#### Benchmarking Net Zero Goals

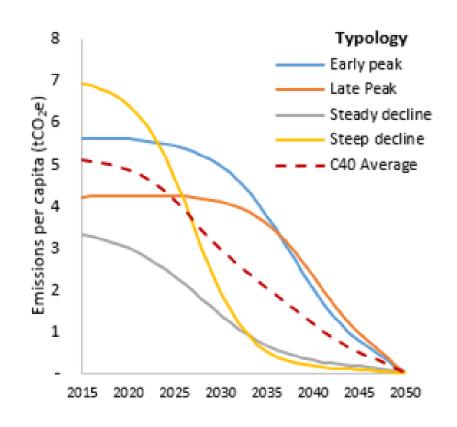
- 2050 Portland, San Francisco, Seattle, NYC, LA
- 2045 Canberra
- 2040 Reykjavik, Stockholm
- 2035 Helsinki
- 2030 Bristol, New Castle, Glasgow, Liverpool
- 2025 Copenhagen
- 2021 Adelaide

#### UN 2019 Gap Report



- At a global scale emissions reductions scenarios are clear
- It's difficult for nations to divide emissions reductions equitably, let alone cities

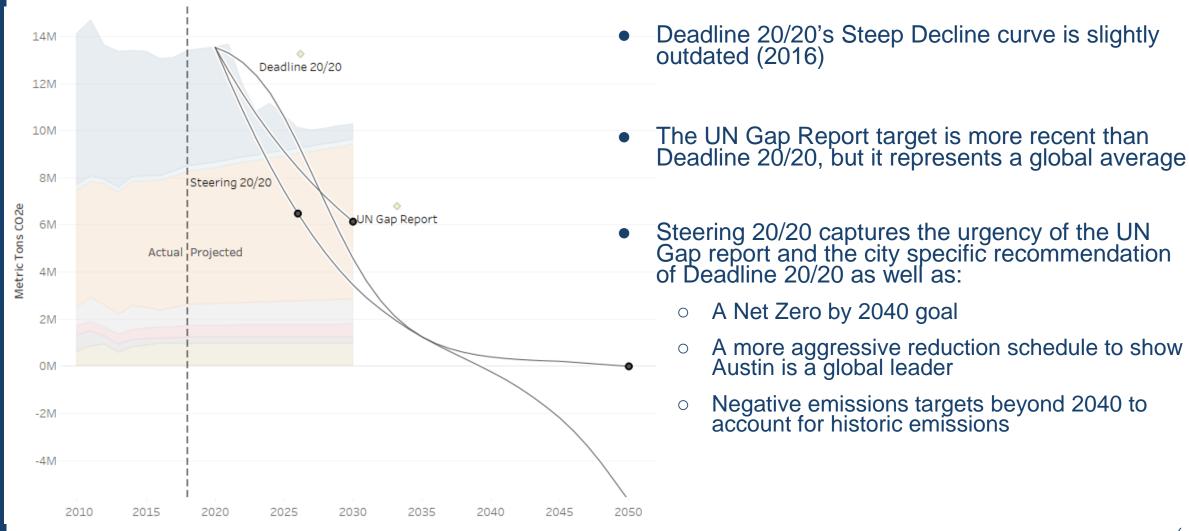
#### C40 Deadline 2020 Report





- Austin is a 'Steep Decline' city.
- GDP per capita is over \$15,000 and emissions above the average for C40
- 'Emissions need to be immediately and rapidly reduced and the city is sufficiently developed to do so'

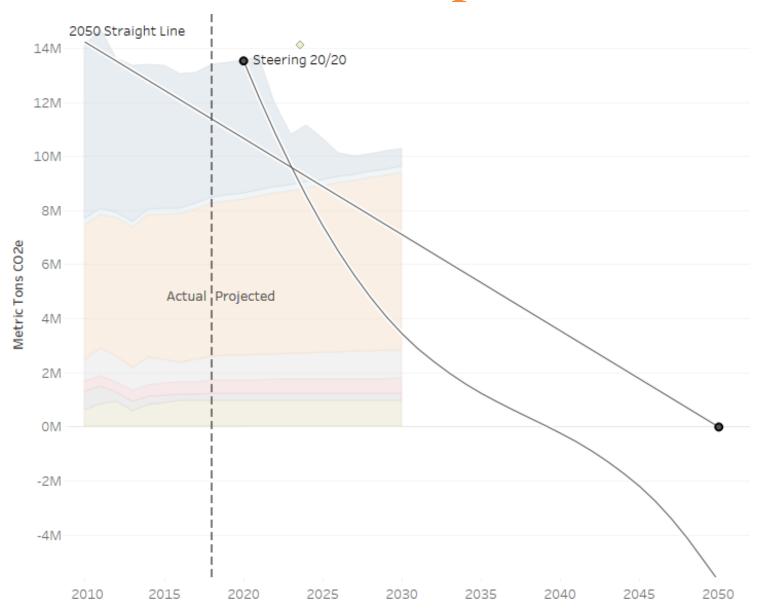
#### Target Comparison



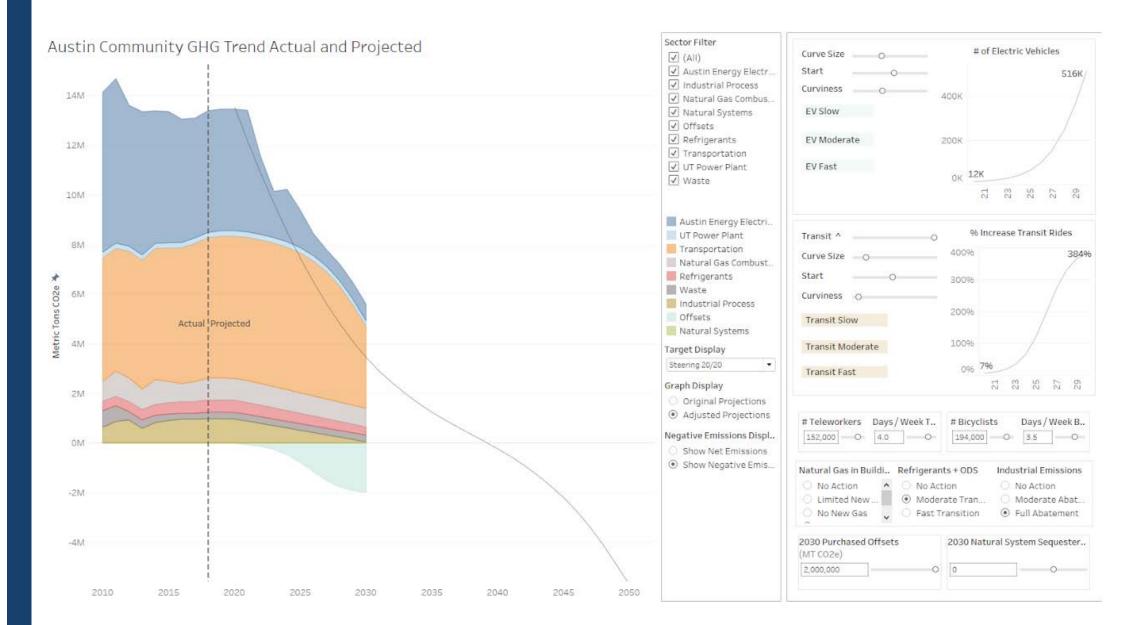
#### Proposal

- Move from Net Zero by 2050 to Net Zero by 2040
- Re-starting in 2020
- Follow the C40 Steep Decline Trajectory
- Aiming for Climate Justice by 2050
  - Taking responsibility for historical emissions
  - Deeply negative emissions

#### 2050 v. 2040 Steep



#### This is Possible, but very aggressive



### What could it take to meet this goal trajectory in 2030?

- Austin Energy meets REACH carbon reduction targets and renewable energy targets
- No new Natural Gas hookups and 25% electrification of existing housing stock
- 50% reduction in refrigerant emissions
- 100% of Semiconductor F-gas emissions abated
- Getting people out of cars
  - 190,000 people biking 3 days a week
  - 150,000 people teleworking 4 days a week
  - 384% growth in Cap Metro Ridership (full Project Connect Buildout and exceeding targets)
- Electrification of privately owned vehicles
  - 516,000 EVs on the road (50% of the total)
  - Nearing 100% of all new vehicle sales
- We're still 2 million tonnes short
- Commit to community support of carbon offsets or other local sequestration

#### What's Next?

The Steering Committee supports this change moving forward

This change will be communicated to all 5 Advisory Groups:

- They will create strategies that match the urgency of the revised goal
- Back and forth with City Staff on quantifying action / benefit / reality