Better Local Transit for a Better Climate Future

Brought to you by volunteers with the SanDiego350 Transportation Team
Introduction
Solar radiation in the form of lightwaves passes through the atmosphere.
Most of this radiation is absorbed by the Earth and warms it
Some energy is radiated back into space by the earth in the form of infrared waves.
Some of this outgoing infrared radiation is trapped by the earth’s atmosphere and warms it.
We are Dumping 110 Million Tons of Manmade Global Warming Pollution into the Atmosphere every 24 Hours
As the CO$_2$ concentration increases, more of the outgoing infrared radiation is trapped.
The Biggest Sources of Greenhouse Gases

- Melting Permafrost
- Industrial Farming
- Industrial Processes
- Coal Plants
- Coal Mining
- Air Transport
- Fertilization
- Ground Transportation
- Oil Production
- Landfills
18 of the 19 Hottest Years on Record Have Occurred Since the Year 2001
The Hottest of All Have Been the Last Five Years

Data:
NASA/GISS
Why Do I Care About Climate Change?

San Diego:

- Pervasive droughts
- More large and extra-large wildfires
- Rising sea levels
- Extreme heat
Why Do I Care About Climate Change?

Elsewhere around the world

- Excessive rainfall
- Stronger hurricanes
- Mass migration
“No one is too small to make a difference”

-Greta Thunberg
Community Choice Energy
Raise The Alarm

Representatives urged to support new Green Deal
Green New Deal
Youth Demand Climate Act
SESSION 1 - WORKSHOP 3
POLICY ADVOCACY

1. Alysha
2. Hannah Griswold
3. Nefret
4. Simran J.
5. Claudia C.
6. Madeleine B.
7. Summer Camporeei
8. Valerie H.

SESSION 1 - WORKSHOP 4
EFFECTIVE COMMUNICATIONS

1. Aaron M
2. Lydia
3. Phaedra
4. [Blank]
5. [Blank]
6. [Blank]
7. [Blank]
8. [Blank]
Youth Climate Walkout
A transportation system that is affordable, safe, convenient, flexible, and community-enhancing across all social sectors. Safe routes for pedestrians, bicyclists and scooter riders. Future transit plans that meet or exceed state and local government GHG emission reduction goals.
Today’s Program

1. Icebreaker
2. Transportation background
3. SANDAG vision for the Regional Transportation Plan 2021
4. MTS
5. Breakout groups
6. Wrap up
Transportation
Background
Why focus on GHGs from Transportation specifically?
Emissions by Sector - City of SD

Emissions Inventory (2017)

On Road Transportation: 53%

Source: San Diego Greenhouse Gas Emissions Inventory Methodology and Updates, Page 3 (in Annual Report Appendix)
California GHG emissions trends
Solving Transportation GHG Emissions

- Reducing Vehicle Miles Travelled (VMTs)
  - Switch trips from cars to public transit & active transportation
- Switching to electric vehicles
- Improve fuel efficiency for non-electric cars
Switching car trips to transit, bike, walk

- Improve/expand public transit
  - More frequent service
  - Reliable/on-time service
  - More routes
  - Better facilities at transit stations

- Land-use strategies
  - Higher-density development near transit
  - Stop back-country sprawl
  - Remove parking space requirements at housing developments located by transit services.
Switching car trips to transit, bike, walk

- **Improve Active transportation infrastructure**
  - Protected bicycle lanes
  - Sidewalks
- **Other strategies**
  - Raise the price of parking
  - Turn car lanes into bus, trolley and bike lanes
  - Limit cars in downtown areas
  - Promote telecommuting
California State GHG Reduction Mandates

To ensure no more than 2°C (3.6°F) of global warming...

- by 2020 Return to 1990 levels
- by 2030, 40% below 1990 levels
- by 2045, Carbon neutrality
- by 2050, 80% below 1990 levels
Local Regulations

- Local jurisdiction reduction requirements for GHG emissions reflect the State requirements
- Jurisdictions draft Climate Action Plans (CAPs) to achieve the reductions
City & County Climate Action Plans

- CAPs - long range formal plans
  a. Quantify current GHG emissions by sector
  b. Outline actions to reduce the GHGs
  c. Need Implementation Plan/s
  d. Require monitoring

- 7 SD jurisdictions haven’t yet adopted a CAP
Transportation Equity

● Different from treating people “equally”

● Takes people’s differing circumstances into account
e.g. income level, physical abilities
Transportation Planning/Operations in SD

- Regional Transit Planning - SANDAG
- Transit Operators
  - MTS (Metropolitan Transit District)
  - NCTD (North County Transit District)
San Diego Association of Governments

● Planning agency for entire County
● Board of Directors - voting members are elected officials from local governments
● Does long term regional planning
  -Includes planning the region's transportation system and regional landuse
MTS

- Transit operator (trolley and bus) for
  - San Diego
  - Chula Vista
  - Coronado
  - El Cajon
  - Imperial Beach
  - La Mesa
  - Lemon Grove
  - National City
  - Poway
  - Santee
  - ...and the rural part of East County

- Board of Directors - those with a vote are elected officials
Questions?
SANDAG Vision for 2021 RTP

https://sandiego350.org/public-policy-team/transportation-team/
Under “Resources” click on SANDAG 101
RTP allocates billions of public funds to create and maintain transportation modes.

- Public transit
- Active transportation
- Roads for private cars and trucks
- Paratransit and special services
The RTP has important, real consequences.

New RTP required every 4 years, next due for adoption 2021 - but will largely be “in stone” early 2020.
Understanding the Politics at the SANDAG Board Level:

These politics will rule:

- History
- Prior RTP was met with legal challenge
- Political upheaval at SANDAG
- The “political revolution” of the 5 Big Moves
- Political support and opposition
Devil is in the details: Will the detailed 2021 RTP meet the promises of the “5 Big Moves” rhetoric?

- Continue to closely monitor
- Participate in advocacy
- Broad public activism to achieve the RTP needed
San Diego Association of Governments

Review status of the RTP development, timeline

February 22–March 2019
- Develop Communications Plan
- Begin stakeholder engagement

Pursue State legislation
Ongoing public education

April–June 2019
- Launch vision development effort
- Initiate goal setting and priorities discussion

Ongoing public education

November 2019
- Release conceptual framework of network and draft policies (parking, pricing, etc.)

Ongoing public education

July 2019–March 2020
- Develop tools, data, and models
- Adopt Federal 2050 Regional Transportation Plan

Ongoing public education

March–September 2020
- Modeling results

September 2020–March 2021
- Develop and release draft plan (based on preferred scenario) and Draft EIR

November 2021
- Adopt the plan

Ongoing public education
San Diego Association of Governments

- Overview of the proposed 5 Big Moves
- Needed to meet California State minimum climate goals; earlier RTP does not
- 5 Big Moves components work together
- Without a vision, all transportation system work is most likely temporary and piecemeal
5 Big Moves

NEXT OS
Enabling technology

COMPLETE CORRIDORS
Backbone of the system

FLEXIBLE FLEETS
Last mile options

TRANSIT LEAP
Alternatives to automobiles

MOBILITY HUBS
Transfer points
Transit Leap

high frequency | high capacity | high speed | fixed guideway | convenient
Flexible Fleet Categories

1. Micromobility
2. Ridehailing
3. Rideshare
4. Microtransit
5. Last Mile Delivery
San Diego Association of Governments

- Not independent ideas
- Can’t do one or two and ignore the rest
- These are interdependent explanations of the vision
- An integrated whole system
San Diego Association of Governments

- 53% of City of SD GHG emissions are from transportation
- Let’s protect San Diego’s Future.
- GO TO THE SANDAG WEBSITE www.sdforward.com to learn more.
Questions?
What Metropolitan Transit System (MTS) Does:

- Operates public transit
  3 Trolley Lines + 95 Bus Routes
- Serves large part of San Diego County.
  North County including Coaster and Sprinter are served by NCTD
In San Diego Who is Riding and Why

Rider Profile

- Only 4% of our population takes public transportation
- 84% - Household income less than $50k
- 70% - No car
- 55% - Between the ages of 19 and 34

Source: MTS

Purpose

- 41% - Work
- 25% - School
- 15% - Leisure
- 11% - Shopping/Dining
- 8% - Others
Why Public Transit needs to improve

Fight Climate Change

Equity Justice
2018 Year of the Car

San Diego Metro Area

39%  
Total Emissions Since 1990

5%  
Per Person Emissions Since 1990
San Diego Metro Area

We Need to Reduce Emissions

By Increasing Transit Ridership
MTS Revenue Sources

$280M in 2019
33% from Fares

Source: https://elevatesd2020.com/funding/
MTS Finances: Sales Tax Revenues

MTS Share of TransNet Fundings

San Diego: 0.125¢
San Francisco: 1.5¢
Los Angeles: 2¢

Per Dollar Spent

Source: https://elevatesd2020.com/funding/
MTS can put a sales tax increase on 2020 Ballot.

- 0.5¢ Additional Tax on Every Dollar Spent

Additional $300M/yr
Elevate SD 2020 goals

- Develop a ballot for 2020 using public inputs
- Prioritize projects based on public needs
- Reduce GHG emissions in San Diego County
- Improve Quality of life for justice community
# Project Concepts

### On-Demand Transit Service
- Provide door-to-door service for short neighborhood trips, or to/from nearby transit hubs in areas lacking transit service.

### Airport Trolley
- Connect the Trolley to the San Diego Airport.

### More Rapid Bus Service
- Increase the number of Rapid bus routes that have high frequency routes every 12 minutes or better and limited stops.

### Improve Security and Amenities
- Improve safety and security for people riding and waiting for transit, expand ambassador programs, add restroom facilities at stations where possible.

### Fare Discounting
- Further reduce fares for seniors, persons with disabilities, people on Medicare and extend discounts to military and low-income riders.

### Waterway System
- Use ferries on the San Diego Bay between South Bay and downtown San Diego; have designated ferries for military bases.

### Youth Opportunity Passes
- Provide free transportation to youth and young adults up to the age of 25.

### Electrify the Bus Fleet
- Purchase more electric buses and build the infrastructure to accommodate a large fleet of zero-emissions vehicles.

### New Freeway Transit Connections
- Add dedicated utility lanes on freeways for Rapid and/or Express transit, first responders and fire evacuation.

### Sorrento Valley Skyways & Transit Connection
- Build a skyway to connect Sorrento Valley to the Mid-Coast Trolley; provide micro-transit solutions to connect job locations in Sorrento Valley/Sorrento Mesa.

### Purple Line Trolley
- Build a new Trolley line from the border at San Ysidro to job centers in Mission Valley, and Kearny Mesa.

### Blue Line Express
- Build a third track on the UC San Diego Blue Line for express Trolley service between San Ysidro and downtown San Diego.

### Balboa to the Beach
- Provide a transit connection from the Mid-Coast Trolley at Balboa Avenue to the beach; enhance service between beach communities.

### Grade Separations
- Raise or lower train tracks at key intersections to reduce car, pedestrian, and bike interaction with Trolleys.

### Mobility Hubs
- Establish mobility hubs with shuttles, scooters, bikes and more for expendable last mile travel to work areas like Sorrento Valley, UTC and Kearny Mesa.
MTS Projects Must Support RTP

SD350 expects MTS to coordinate work with SANDAG and ensure MTS’ new infrastructure projects will fit in the RTP that SANDAG is developing.

For example, plans for transit access to airport.

Trolley to Airport (MTS) vs Grand Central (SANDAG).
## Elevate SD 2020 Schedule

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>November</td>
<td>11/2: Held Public MTS Board Workshop on ELEVATE SD</td>
</tr>
</tbody>
</table>
| December           | 12/7: 2nd Public MTS Board Workshop on ELEVATE SD  
Start time: 9 AM  1255 Imperial Ave, 10th Floor  
Present Draft Expenditure Plan Options to MTS Board/Public Outreach/Focus Groups |
| Jan/Feb 2020       | Public Hearings/ Public Outreach. Locations and times TBD |
| March              | Finalize Expenditure Plans |
| July               | Deadline to Place on Ballot |
| Nov 3rd, 2020      | Election Day |

You can participate in Elevate2020 to shape the future of transit in San Diego.
Questions?
Small Group Discussions
For your group to discuss...

- Do you take transit? If not, why not?

- To reduce Vehicle Miles Travelled (VMTs), our transportation infrastructure has to change substantially. What do you think of the new vision SANDAG is presenting as expressed by the "5 Big Moves"?

- How do you think we should go about making these changes? Who should pay for the changes? How does equity and justice play into this?

.....and report back
Wrap-up
What YOU can do Now

- Tag your SANDAG rep with a post on Social media
  Some ideas for your post - personalize as you wish! Twitter & Instagram handles

I live in XXX and I strongly support SANDAG's 5 big moves. #TransitFirst

I support investing in transit, bicycle and pedestrian infrastructure - not freeway-widening! #TransitFirst

I will be voting for candidates who support the #5BigMoves not freeway-widening. #TransitFirst

I don’t have a car and I don’t want one. I want San Diego to have a world-class transit system! #TransitFirst

Show true leadership and support better transit, not freeway widening! #TransitFirst
What YOU can do in the next few minutes

- Fill out the MTS Vision Builder survey:
  www.ElevateSD2020.com
What YOU can do longer term

Commit to........

● Attending a City Council, SANDAG or MTS meeting at least once a year.
● Contacting your electeds at SANDAG & MTS once a year
● Voting in every election!!
● Using transit or walking/bicycling when you can.
● See our Team webpage for more things you can do.
Want to get more involved?

● Subscribe to SD350 Email Bulletins
  https://sandiego350.org/subscribe/

● Volunteer Opportunities with SD350
  https://sandiego350.org/campaigns/

● Upcoming SD350 Events
  https://sandiego350.org/events/
  ○ Wednesday Evenings - Open House
  ○ Nov 13th - Volunteer Orientation and Membership Meeting
Meeting with SANDAG Executive Director in April
“Now go out and make me do it.”

President Franklin D Roosevelt
<table>
<thead>
<tr>
<th>City of Carlsbad</th>
<th>City of National City</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hon. Cori Schumacher, Councilmember</td>
<td>Hon. Alejandro Sotelo-Solis, Mayor</td>
</tr>
<tr>
<td>Alternate: Hon. Priya Bhat-Patel, Mayor Pro Tem</td>
<td>Alternate: Hon. Ron Morrison, Vice Mayor</td>
</tr>
<tr>
<td>City of Chula Vista</td>
<td>City of Oceanside</td>
</tr>
<tr>
<td>Hon. Mary Salas, Mayor</td>
<td>Hon. Jack Feller, Deputy Mayor</td>
</tr>
<tr>
<td>Alternate: Hon. Steve Padilla, Councilmember</td>
<td>Alternate: Hon. Christopher Rodriguez, Councilmember</td>
</tr>
<tr>
<td>Alternate: Hon. John McCann, Councilmember</td>
<td>Alternate: Hon. Esther Sanchez, Councilmember</td>
</tr>
<tr>
<td>City of Coronado</td>
<td>City of Poway</td>
</tr>
<tr>
<td>Hon. Richard Bailey, Mayor</td>
<td>Hon. Steve Vaus, Mayor AND Chair of this Board</td>
</tr>
<tr>
<td>Alternate: Hon. Bill Sandie, Councilmember</td>
<td>Alternate: Hon. John Mullin, Councilmember</td>
</tr>
<tr>
<td>Alternate: Hon. Mike Donovan, Councilmember</td>
<td>Alternate: Hon. Caylin Frank, Councilmember</td>
</tr>
<tr>
<td>City of Del Mar</td>
<td>City of San Diego</td>
</tr>
<tr>
<td>Hon. Ellie Haviland, Deputy Mayor</td>
<td>Hon. Kevin Faulconer, Mayor</td>
</tr>
<tr>
<td>Alternate: Hon. Dwight Worden, Councilmember</td>
<td>Alternate: Hon. Mark Kersey, Councilmember</td>
</tr>
<tr>
<td>Alternate: Hon. Dave Druker, Mayor</td>
<td>Alternate: Hon. Chris Cate, Councilmember</td>
</tr>
<tr>
<td>City of El Cajon</td>
<td>Hon. Georgette Gomez, Council President</td>
</tr>
<tr>
<td>Hon. Bill Wells, Mayor</td>
<td>Alternate: Hon. Barbara Bry, Council President Pro Tem</td>
</tr>
<tr>
<td>Alternate: Hon. Steve Goble, Deputy Mayor</td>
<td>Alternate: Hon. Monica Montgomery, Councilmember</td>
</tr>
<tr>
<td>City of Encinitas</td>
<td>City of San Marcos</td>
</tr>
<tr>
<td>Hon. Catherine Blakespear, Mayor AND Vice Chair of this Board</td>
<td>Hon. Rebecca Jones, Mayor</td>
</tr>
<tr>
<td>Alternate: Hon. Tony Kranz, Councilmember</td>
<td>Alternate: Hon. Sharon Jenkins, Mayor Pro Tem</td>
</tr>
<tr>
<td>Alternate: Hon. Joe Mosca, Councilmember</td>
<td>Alternate: Hon. Maria Nunez, Councilmember</td>
</tr>
<tr>
<td>City of Escondido</td>
<td>City of Santee</td>
</tr>
<tr>
<td>Hon. Paul McNamara, Mayor</td>
<td>Hon. John Minto, Mayor</td>
</tr>
<tr>
<td>Alternate: Hon. Olga Diaz, Councilmember</td>
<td>Alternate: Hon. Ronn Hall, Councilmember</td>
</tr>
<tr>
<td>Alternate: Hon. Mike Morasco, Councilmember</td>
<td>Alternate: Hon. Rob McNeils, Councilmember</td>
</tr>
<tr>
<td>City of Imperial Beach</td>
<td>City of Solana Beach</td>
</tr>
<tr>
<td>Hon. Serge Dedina, Mayor</td>
<td>Hon. David A. Zito, Mayor</td>
</tr>
<tr>
<td>Alternate: Hon. Mark West, Councilmember</td>
<td>Alternate: Hon. Jewel Edson, Deputy Mayor</td>
</tr>
<tr>
<td>Alternate: Hon. Paloma Aguirre, Councilmember</td>
<td>Alternate: Hon. Kristi Becker, Councilmember</td>
</tr>
<tr>
<td>City of La Mesa</td>
<td>City of Vista</td>
</tr>
<tr>
<td>Hon. Kristine Alessio, Councilmember</td>
<td>Hon. Judy Ritter, Mayor</td>
</tr>
<tr>
<td>Alternate: Hon. Bill Baber, Councilmember</td>
<td>Alternate: Hon. Amanda Rigby, Councilmember</td>
</tr>
<tr>
<td>Alternate: Hon. Colin Parent, Vice Mayor</td>
<td>Alternate: Hon. John Franklin, Deputy Mayor</td>
</tr>
<tr>
<td>City of Lemon Grove</td>
<td>County of San Diego</td>
</tr>
<tr>
<td>Hon. Racquel Vasquez, Mayor</td>
<td>Hon. Jim Desmond, Supervisor</td>
</tr>
<tr>
<td>Alternate: Hon. Jennifer Mendoza, Councilmember</td>
<td>Alternate: Hon. Dianne Jacob, Chair</td>
</tr>
<tr>
<td>Alternate: Hon. Jerry Jones, Councilmember</td>
<td>Hon. Kristin Gaspar, Supervisor</td>
</tr>
<tr>
<td></td>
<td>Alternate: Hon. Greg Cox, Vice Chair</td>
</tr>
<tr>
<td></td>
<td>Alternate: Hon. Nathan Fletcher, Supervisor</td>
</tr>
</tbody>
</table>
The volunteers behind this presentation

*Leader of SD350’s Transportation Team*