

Board Members

Mary Teresa Sessom, Chair
Mayor, **Lemon Grove**

Lori Holt Pfeiler, First Vice Chair
Mayor, **Escondido**

Jerome Stocks, Second Vice Chair
Mayor, **Encinitas**

Matt Hall
Councilmember, **Carlsbad**

Cheryl Cox
Mayor, **Chula Vista**

Phil Monroe
Councilmember, **Coronado**

Crystal Crawford
Deputy Mayor, **Del Mar**

Mark Lewis
Mayor, **El Cajon**

Jim Janney
Mayor, **Imperial Beach**

Art Madrid
Mayor, **La Mesa**

Ron Morrison
Mayor, **National City**

Jim Wood
Mayor, **Oceanside**

Mickey Cafagna
Mayor, **Poway**

Jerry Sanders
Mayor, **San Diego**

Jim Madaffer
Council President Pro Tem, **San Diego**

Jim Desmond
Mayor, **San Marcos**

Jack Dale
Councilmember, **Santee**

Lesa Heebner
Councilmember, **Solana Beach**

Judy Ritter
Councilmember, **Vista**

Greg Cox
Chairman, **County of San Diego**

Dianne Jacob
Vice Chairwoman, **County of San Diego**

Advisory Members

Victor Carrillo, Supervisor
Imperial County

Will Kempton, Director
**California Department
of Transportation**

Harry Mathis, Chairman
Metropolitan Transit System

Ed Gallo, Chairman
North County Transit District

CAPT Steve Wirsching, USN, CEC,
Southwest Division Naval Facilities
Engineering Command
U.S. Department of Defense

Laurie Black, Commissioner
San Diego Unified Port District

Marilyn Dailey, Commissioner
San Diego County Water Authority

Robert Smith, Chair
**Southern California Tribal
Chairmen's Association**

Remedios Gómez-Arnau
Consul General of **Mexico**

Gary L. Gallegos
Executive Director, **SANDAG**



BOARD OF DIRECTORS AGENDA

Friday, December 5, 2008

10 a.m. to 12 noon

→→→ Caltrans Garcia Room ←←←

4050 Taylor Street

San Diego, CA 92110

**THIS IS A JOINT MEETING OF THE SANDAG BOARD OF
DIRECTORS AND TRANSPORTATION AND REGIONAL
PLANNING COMMITTEES.**

AGENDA HIGHLIGHTS

- **WORKSHOP ON LONG-RANGE REGIONAL PLANNING EFFORTS**
 - **OVERVIEW OF EPIC GREENHOUSE GAS INVENTORY**
 - **OVERVIEW OF SENATE BILL 375 AND RELATED LONG-RANGE REGIONAL PLANNING**

PLEASE TURN OFF CELL PHONES DURING THE MEETING

MISSION STATEMENT

The 18 cities and county government are SANDAG serving as the forum for regional decision-making. SANDAG builds consensus, makes strategic plans, obtains and allocates resources, plans, engineers, and builds public transit, and provides information on a broad range of topics pertinent to the region's quality of life.

San Diego Association of Governments · 401 B Street, Suite 800, San Diego, CA 92101-4231

(619) 699-1900 · Fax (619) 699-1905 · www.sandag.org



Welcome to SANDAG. Members of the public may speak to the Board of Directors on any item at the time the Board is considering the item. Please complete a Speaker's Slip, which is located in the rear of the room, and then present the slip to the Clerk of the Board seated at the front table. Also, members of the public are invited to address the Board on any issue under the agenda item entitled Public Comments/Communications/Member Comments. Speakers are limited to three minutes. The Board of Directors may take action on any item appearing on the agenda.

This agenda and related staff reports can be accessed at www.sandag.org under Meetings on the SANDAG Web site. Public comments regarding the agenda can be forwarded to SANDAG via the e-mail comment form also available on the Web site. E-mail comments should be received no later than 12 noon, two working days prior to the Board of Directors meeting.

In compliance with the Americans with Disabilities Act (ADA), SANDAG will accommodate persons who require assistance in order to participate in SANDAG meetings. If such assistance is required, please contact SANDAG at (619) 699-1900 at least 72 hours in advance of the meeting. To request this document or related reports in an alternative format, please call (619) 699-1900, (619) 699-1904 (TTY), or fax (619) 699-1905.



JOINT MEETING OF THE SANDAG BOARD OF DIRECTORS AND TRANSPORTATION AND REGIONAL PLANNING COMMITTEES

Friday, December 5, 2008

ITEM #		RECOMMENDATION
1.	<p data-bbox="243 478 1063 512">PUBLIC COMMENTS/COMMUNICATIONS/MEMBER COMMENTS</p> <p data-bbox="243 552 1161 798">Members of the public shall have the opportunity to address the Board on any issue within the jurisdiction of SANDAG. Anyone desiring to speak shall reserve time by completing a "Request to Speak" form and giving it to the Clerk of the Board prior to speaking. Public speakers should notify the Clerk of the Board if they have a handout for distribution to Board members. Speakers are limited to three minutes. Board members also may provide information and announcements under this agenda item.</p>	
2.	<p data-bbox="243 835 1055 869">WORKSHOP ON LONG-RANGE REGIONAL PLANNING EFFORTS</p> <p data-bbox="243 909 1161 1123">The purpose of this informational workshop is to provide an overview of new state laws and regulations that require regional and local governments to reduce transportation-related greenhouse gas emissions through integrated transportation, housing, and climate change planning activities. Presentations will be provided on regional climate change and transportation and housing planning efforts that are currently underway.</p>	INFORMATION
	<p data-bbox="243 1161 1161 1228">A. OVERVIEW OF EPIC GREENHOUSE GAS INVENTORY (Scott J. Anders)</p> <p data-bbox="243 1234 1161 1480">In September 2008, the Energy Policy Initiatives Center (EPIC), a research center at the University of San Diego School of Law, released a report that provides a detailed accounting of greenhouse gas emissions (GHG) for San Diego County. The report identifies the sources of San Diego GHG emissions and 21 strategies for the region to reduce its emissions to 1990 levels by 2020, the statutory limits in the California Global Warming Solutions Act of 2006 (AB 32). Scott J. Anders of EPIC will provide an overview of the report..</p>	INFORMATION
	<p data-bbox="243 1518 1161 1585">B. OVERVIEW OF SENATE BILL 375 AND RELATED LONG-RANGE REGIONAL PLANNING (SANDAG Staff)</p> <p data-bbox="243 1633 1161 1766">SANDAG staff will provide a summary of the provisions of SB 375 (Steinberg, 2008). An overview will be provided that highlights how the bill will affect the development of the next Regional Transportation Plan (RTP), Regional Housing Needs Assessment (RHNA), and regional climate change planning work.</p>	INFORMATION

3. UPCOMING MEETINGS

INFORMATION

The next Board Business meeting is scheduled for Friday, December 19, 2008, at 9 a.m. The next Board Policy meeting of the SANDAG Board of Directors is scheduled for Friday, January 9, 2009, at 10 a.m.

4. ADJOURNMENT

+ next to an agenda item indicates an attachment

JOINT MEETING OF THE SANDAG BOARD OF DIRECTORS AND TRANSPORTATION AND REGIONAL PLANNING COMMITTEES

Friday, December 5, 2008

ITEM #		RECOMMENDATION
1.	<p data-bbox="243 478 1063 512">PUBLIC COMMENTS/COMMUNICATIONS/MEMBER COMMENTS</p> <p data-bbox="243 552 1161 798">Members of the public shall have the opportunity to address the Board on any issue within the jurisdiction of SANDAG. Anyone desiring to speak shall reserve time by completing a "Request to Speak" form and giving it to the Clerk of the Board prior to speaking. Public speakers should notify the Clerk of the Board if they have a handout for distribution to Board members. Speakers are limited to three minutes. Board members also may provide information and announcements under this agenda item.</p>	
2.	<p data-bbox="243 835 1055 869">WORKSHOP ON LONG-RANGE REGIONAL PLANNING EFFORTS</p> <p data-bbox="243 909 1161 1123">The purpose of this informational workshop is to provide an overview of new state laws and regulations that require regional and local governments to reduce transportation-related greenhouse gas emissions through integrated transportation, housing, and climate change planning activities. Presentations will be provided on regional climate change and transportation and housing planning efforts that are currently underway.</p>	INFORMATION
	<p data-bbox="243 1161 1161 1228">A. OVERVIEW OF EPIC GREENHOUSE GAS INVENTORY (Scott J. Anders)</p> <p data-bbox="243 1234 1161 1480">In September 2008, the Energy Policy Initiatives Center (EPIC), a research center at the University of San Diego School of Law, released a report that provides a detailed accounting of greenhouse gas emissions (GHG) for San Diego County. The report identifies the sources of San Diego GHG emissions and 21 strategies for the region to reduce its emissions to 1990 levels by 2020, the statutory limits in the California Global Warming Solutions Act of 2006 (AB 32). Scott J. Anders of EPIC will provide an overview of the report..</p>	INFORMATION
	<p data-bbox="243 1518 1161 1585">B. OVERVIEW OF SENATE BILL 375 AND RELATED LONG-RANGE REGIONAL PLANNING (SANDAG Staff)</p> <p data-bbox="243 1633 1161 1766">SANDAG staff will provide a summary of the provisions of SB 375 (Steinberg, 2008). An overview will be provided that highlights how the bill will affect the development of the next Regional Transportation Plan (RTP), Regional Housing Needs Assessment (RHNA), and regional climate change planning work.</p>	INFORMATION

3. UPCOMING MEETINGS

INFORMATION

The next Board Business meeting is scheduled for Friday, December 19, 2008, at 9 a.m. The next Board Policy meeting of the SANDAG Board of Directors is scheduled for Friday, January 9, 2009, at 10 a.m.

4. ADJOURNMENT

+ next to an agenda item indicates an attachment

San Diego County GHG Inventory

An Overview of Key Findings



Scott J. Anders
Energy Policy Initiatives Center
University of San Diego School of Law

San Diego Association of Governments

December 5, 2008

1

GHG Inventory Project Overview

Purpose

- Estimate GHG Emissions for San Diego County 1990-2006
- Project Emissions through 2020
- Calculate Regional Emissions Reductions Targets
 - AB 32
 - Executive Order S-3-05
- Identify / Calculate Emissions Reduction Strategies to Meet Targets

www.sandiego.edu/epic



2

GHG Inventory Project Overview

Scope

- San Diego County
- All Economic Sectors
- Entire Population
- Military Not fully Captured

Method

- Followed CARB Method
- Based on the IPCC Protocols
- Modified where Appropriate



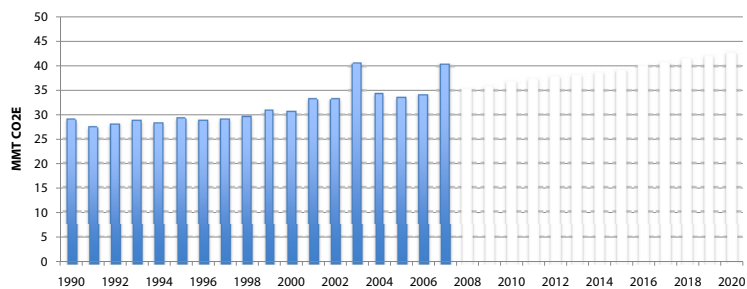
www.sandiego.edu/epic

3



GHG Inventory Project Results

Total GHG Emissions for San Diego County

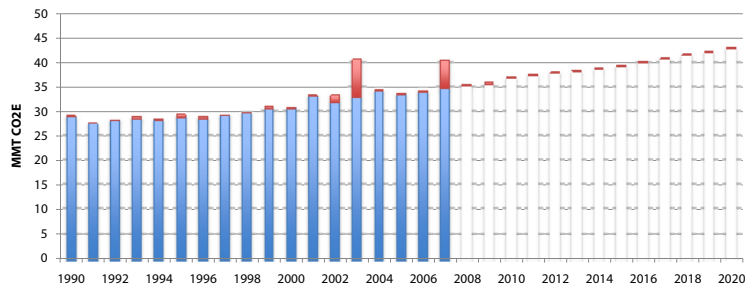


4



GHG Inventory Project Results

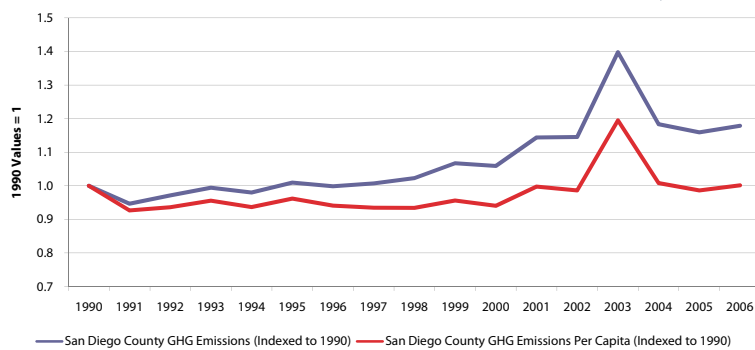
Total GHG Emissions for San Diego County



5

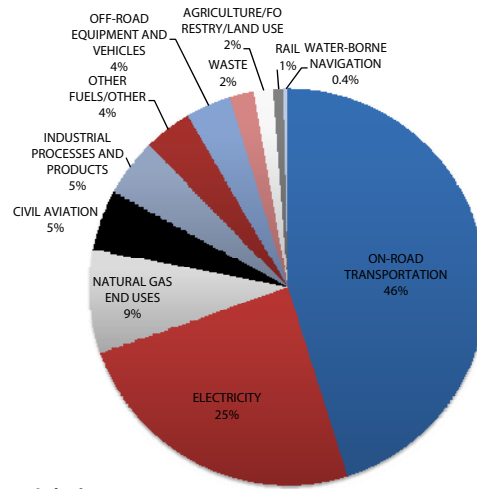
GHG Inventory Project Results

Total and Per-Capita GHG Emissions San Diego County



6

GHG Inventory Project Results



GHG Emissions for San Diego County (2006)

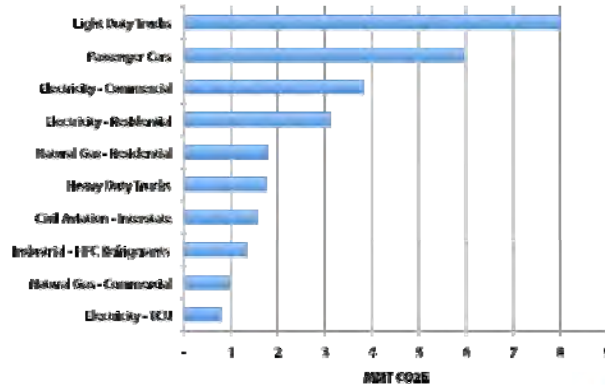
www.sandiego.edu/epic



7

GHG Inventory Project Results

Top 10 GHG Emitting Subcategories San Diego County (2006)



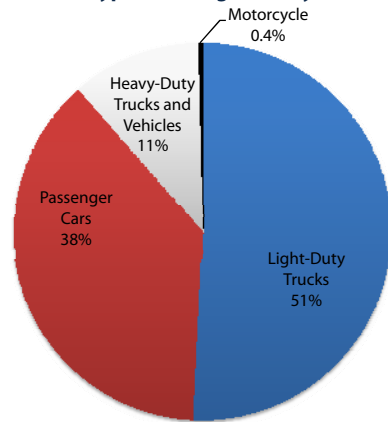
www.sandiego.edu/epic



8

GHG Inventory Project Results

On-Road Transportation GHG Emissions by Vehicle Type, San Diego County 2006



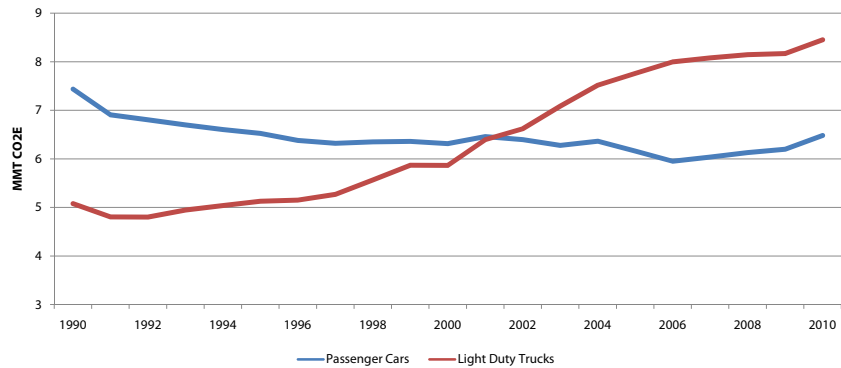
www.sandiego.edu/epic

9



GHG Inventory Project Results

GHG Emissions from Passenger Cars and Light Duty Trucks, San Diego County



www.sandiego.edu/epic

10



GHG Inventory Project Results

Greenhouse Gas Reduction Policies in California

- AB 32 – Global Warming Solutions Act of 2006
 - Goal: 1990 levels by 2020
- Executive Order S-3-05
 - Goal: 80% below 1990 levels by 2050



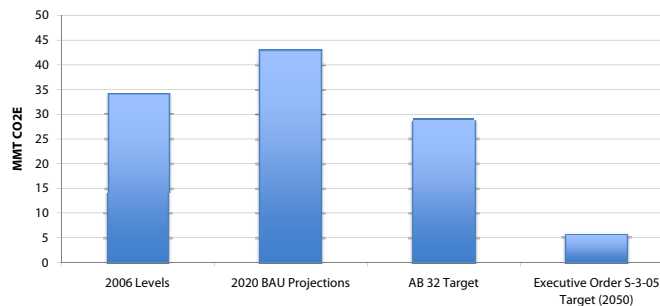
www.sandiego.edu/epic

11



GHG Inventory Project Results

Hypothetical GHG Emissions Reduction Targets San Diego County



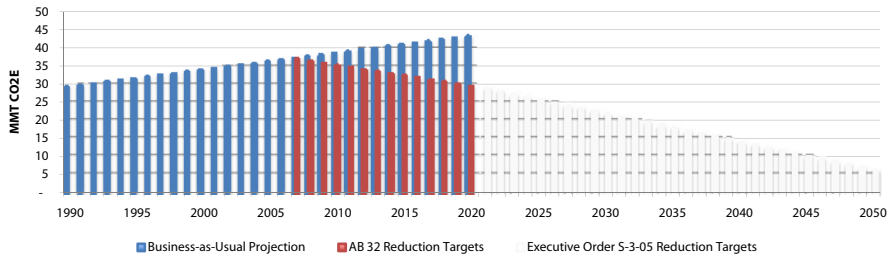
www.sandiego.edu/epic

12



GHG Inventory Project Results

Theoretical GHG Reduction Targets for San Diego County



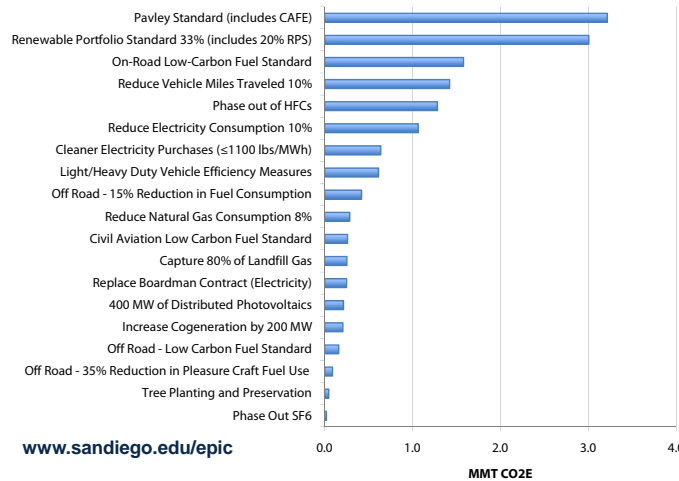
www.sandiego.edu/epic

13



GHG Inventory Project Results

Emission Reduction Strategies for San Diego County to Meet Hypothetical AB 32 Targets by 2020

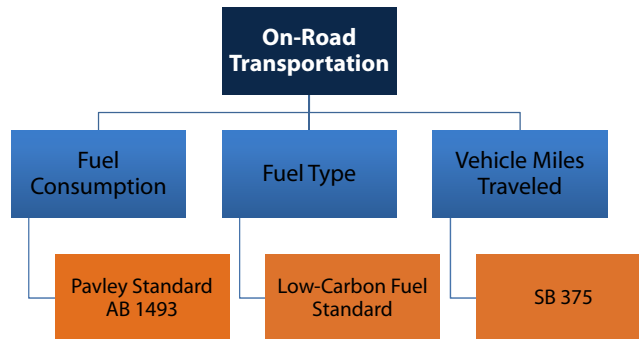


www.sandiego.edu/epic

MMT CO2E



State Response to On-Road Emissions



www.sandiego.edu/epic

15



SANDAG

Overview of Senate Bill 375 and Related Long-Range Regional Planning

December 5, 2008

Background

- Executive Order S-3-05
- CA Global Warming Solutions Act of 2006 (AB 32)
- Proposed AB 32 Scoping Plan
- California Energy Commission Agreement
- Attorney General comments on SANDAG RTP
- SB 375 (Steinberg, 2008)

17

Overview

- Major Provisions of SB 375
- Related Regional Planning
 - Regional Growth Forecast
 - Regional Transportation Plan Update
 - Regional Housing Needs Assessment
 - Climate Change Planning
- Questions and Discussion

18

SB 375

Five key provisions:

- Creates regional targets for greenhouse gas emissions
- Requires regional planning agencies create Sustainable Communities Strategy
- Connects regional housing allocation planning with Regional Transportation Plan (RTP)
- Requires regional transportation funding decisions be consistent with RTP
- Streamlines and creates new CEQA exemptions for certain projects

19

Regional GHG Targets for Transportation / Land Use

- CARB required to set up a Regional Targets Advisory Committee (RTAC) by 1/31/09
- Regional targets to be based on the total GHG attributable to cars and light trucks
- Metropolitan Planning Organizations (MPOs) may recommend their own regional GHG target
- CARB will revise target at least every eight years

20

Sustainable Communities Strategy

- SB 375 creates a new element for the RTP, a Sustainable Communities Strategy (SCS)
- SCS must show how the GHG targets would be achieved through alternative development patterns, infrastructure, or additional transportation measures or policies that are *determined to be feasible*

SCS and Alternative Planning Strategy (APS)

- **Additionally, SCS must**
 - address protection of sensitive resource areas, including areas protected under Habitat Conservation Plans (HCPs)
 - provide consideration for Rural Sustainability to preserve farmland and resource lands, and direct growth to cities
- General Plans are not required to conform to SCS
- If SCS does not meet regional target, APS must be developed

Alignment with the Regional Housing Needs Assessment (RHNA)

SB 375 changes housing element law by aligning regional housing planning with regional transportation planning:

- All transportation and housing planning processes are put on the same eight-year schedule
- RHNA allocations must be consistent with the SCS and RTP
- If a local jurisdiction must rezone property as a result of the housing element, it must do so within three years

Housing Element Law

- **State Responsibility**
 - Determine regional housing need
 - Review housing elements
- **Regional Responsibility**
 - Consult with HCD on regional housing need
 - Allocate housing need by jurisdiction and income category
- **Local Responsibility**
 - Assist SANDAG RHNA allocation
 - Update housing elements
 - Rezone land if necessary

Transportation Funding Consistency

- SCS is one element of the RTP and all elements must be internally consistent
- RTP projects and funding decisions must be consistent with the SCS
 - SB 375 includes exemptions for projects in approved local transportation sales tax measures (*TransNet*), and state funding

25

CEQA Streamlining

- To qualify for CEQA streamlining, projects must be consistent with an SCS (or APS) that meets GHG reduction targets
- Two types of CEQA exemptions:
 - Qualifying Residential or Mixed-use project
 - Qualifying Transit Priority projects

26



SANDAG

Regional Growth Forecast (Series 12)



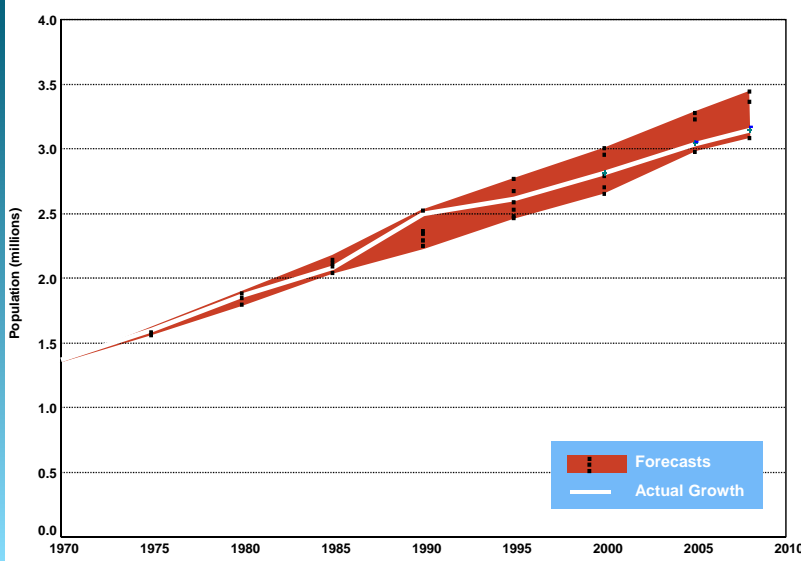
SANDAG

SANDAG Produces Forecasts

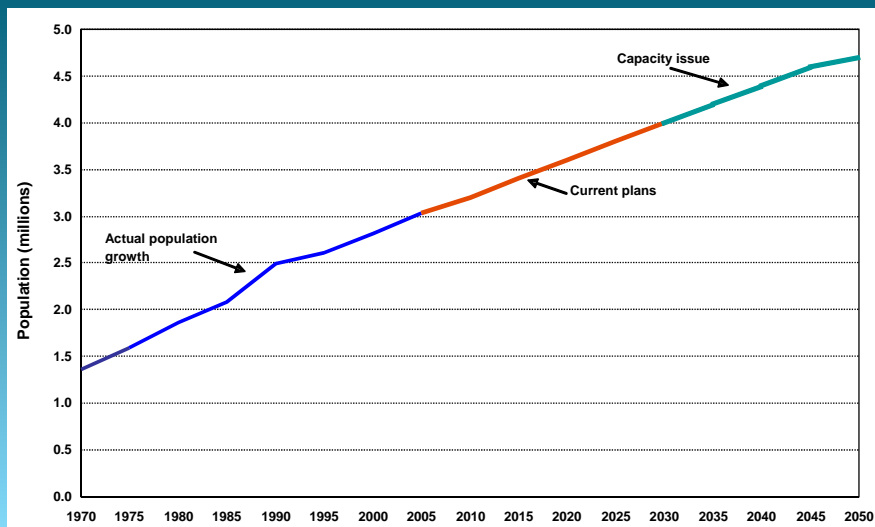
- Regional Comprehensive Plan
- Regional Transportation Plan
- Regional Housing Needs Assessment
- Other Local Uses

28

History of Growth Forecast



Housing Capacity for 2050



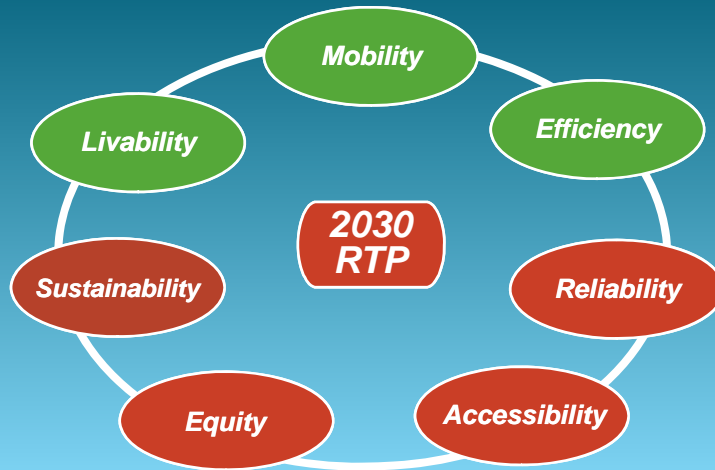
Housing Capacity for 2050 Forecast

- Series 8: General Intensification
- Series 9: Transit Focus Areas
- Series 10 & 11: Interregional Commute
- Series 12: Regional Comprehensive Strategy

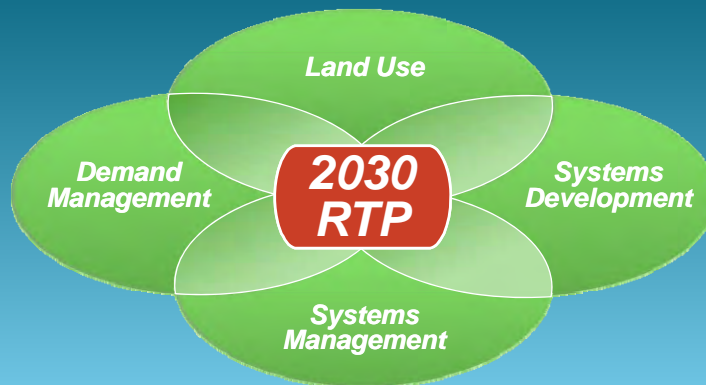
Next Regional Transportation Plan Update



2030 RTP Goals



Four Components of the 2030 RTP



Land Use – Transportation Connection (Growing Smarter)

- Regional Comprehensive Plan (RCP)
- Smart Growth Concept Map
- Independent Transit Plan Review
- Tribal Collaboration
- *TransNet* Environmental Mitigation Program
- Energy/Climate Change Planning

Demand Management



Systems Management



37

Systems Development (Capacity and Choices)

- Commitment to *TransNet* Early Action Program and Managed Lane System
- Revised Transit Plan
- Goods Movement Action Plan
- Toll Roads
- Updated Regional Arterial System

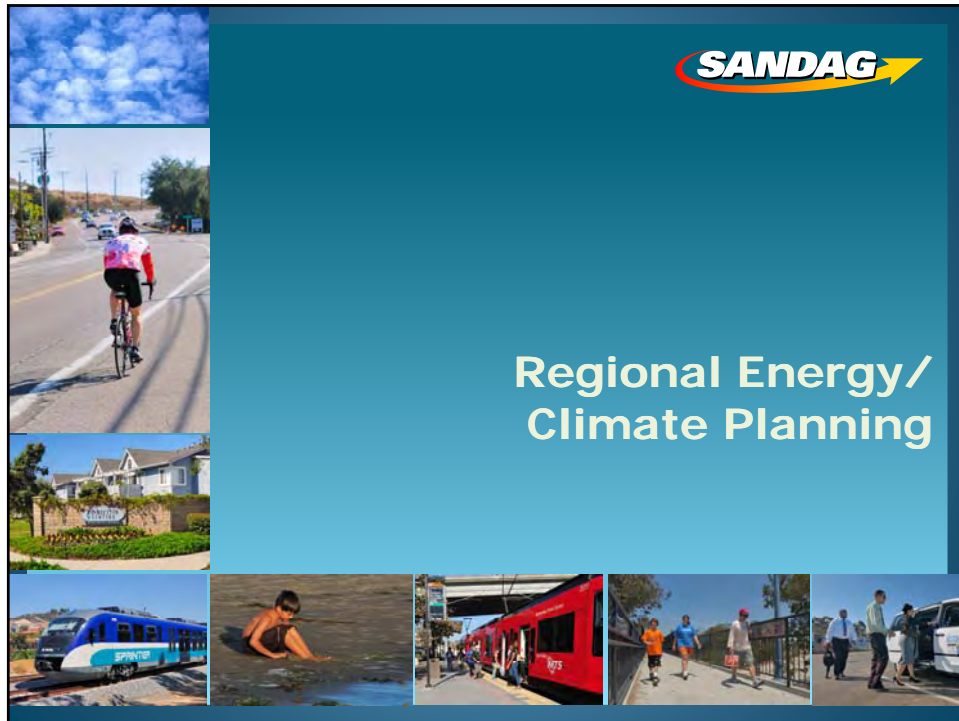
38

2030 RTP Scenarios

- **The Adopted Plan: Reasonably Expected Revenues**
 - \$57 billion
- **Revenue Constrained (federal requirement)**
 - \$41 billion
- **Unconstrained Needs**
 - \$88 billion

2050 RTP

- **RTP EIR Settlement Agreement**
 - Urban Core Transit Plan
- **New Emerging Issues**
 - SB 375 Implementation
 - Airport Multimodal Planning



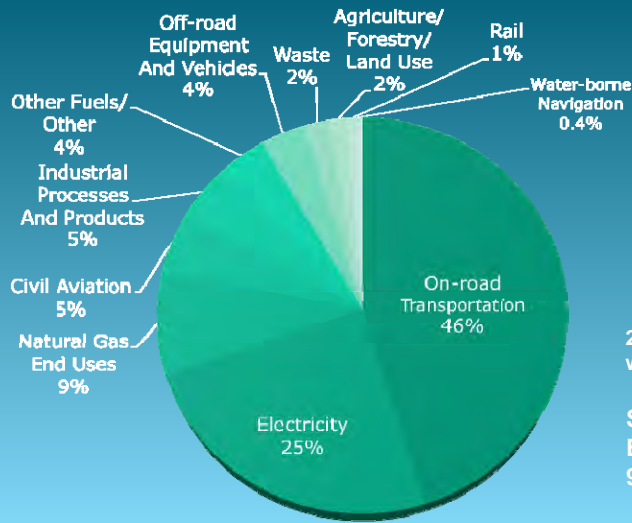
SANDAG

SANDAG Energy/Climate Planning

- **Develop Regional Climate Action Plan (RCAP)**
- **Update Regional Energy Strategy (RES)**
- **Implement Sustainable Region Program (SRP)**
- **Perform Regional Assessment of Alternative Fuels, Vehicles and Infrastructure**

42

GHG Inventory for San Diego County



2006 Data
www.sandiego.edu/epic

Source:
 EPIC GHG Study
 9/08

SB 375 Regional Transportation Targets

- AB 32 Scoping Plan calls for 5 MMT CO₂ reductions statewide from passenger vehicles by 2020
- Defers to SB 375 for setting regional targets for 2020 and 2035 horizon years
- Local and regional agencies will need to partner to meet targets

Regional Climate Action Plan (RCAP)

- Long-range policy plan
- Establishes GHG baseline and projections
- Precursor to SB 375 – foundation for climate planning for next RTP
 - Identifies measures to reduce GHG in transportation and land use
 - Focuses on measures that regional and local government can influence

45

Regional Climate Action Plan (RCAP)

Plan Elements:

- EPIC GHG inventory (1990 to current)
- Business-as-usual forecasts to 2030
- GHG test target (based on AB 32 estimates)
- GHG reduction scenarios
- Policy development

46

2030 Projected Transportation Emissions

RTP Business-as Usual 22.5 MMT CO₂

Projected GHG Reductions

- State measures 9.1 MMT CO₂
- Regional measures 2.5 MMT CO₂

Regional GHG Reduction Scenarios for Transportation

- Low Carbon Land Use Scenario
- Enhanced Transit Scenario
- Transportation Demand Management

 SANDAG

48

Land Use and Transit Assumptions

- Build-out of Smart Growth Concept Map
- New circulator bus service in central San Diego
- Shorter headways for COASTER, light rail, bus rapid transit, and regional buses

Emission Reduction in 2030: 0.3 MMT CO₂

49

Transportation Demand Management (TDM) Assumptions

- Telecommuting
- Pay-as-you-drive Insurance
- Regional Carbon Fee
- Parking Pricing

Emission Reduction in 2030: 2.2 MMT CO₂

50

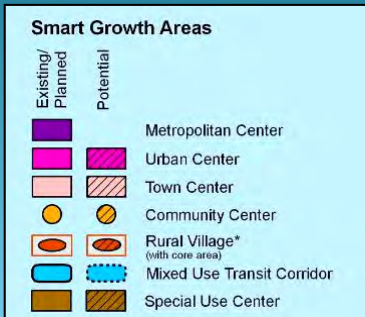
RCAP Ongoing Development

- Existing analysis conducted for 2006 and 2030; 2020 milestone to be added
- Expansion of applicable regional and local GHG reduction measures
- Smart Growth Enhancements to the Transportation Model
- Additions and refinements to TDM measures modeled
- Draft plan to be released in May 2009

Next Steps



Smart Growth Concept Map



53

Integrated Regional Planning Work Plan and Schedule for Next RTP Update



- RTP Goals and Objectives July-Sept 2009
- New Growth Forecast Jan-Feb 2010
- RTP Scenarios June-Sept 2010
- Draft GHG Targets June 2010
- Final GHG Targets Sept 2010
- Draft RTP/EIR Feb-March 2011
- Final RTP/EIR/RHNA July 2011

54

SB 375 Next Steps

- Request SANDAG Representative on RTAC
- Work with CARB on San Diego regional targets
- Align RTP and RHNA Cycles

Questions and Discussion