



Draft Climate Action Plan

April 22, 2016

Project Background and Public Outreach and Engagement Plan

November 4, 2016

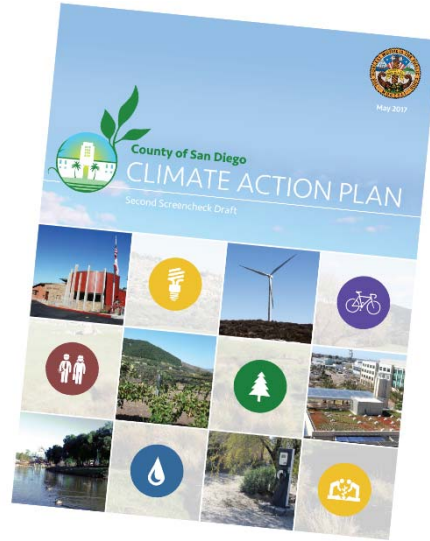
Status Update and draft Greenhouse Gas (GHG) Emissions Inventory, Projections, and Targets

Today, June 9, 2017

Presentation to Share Potential Content of CAP and Answer Questions

Presentation

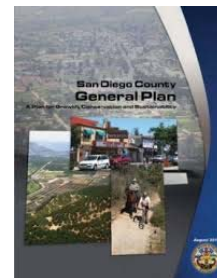
- **Context of Climate Action Plan (CAP)**
- **Methodology**
 - Project Team
 - CAP Sustainability Linkages
 - Engagement
- **Aligning with County Efforts**
- **CAP Framework**
- **Next Steps**



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Climate Action Planning

- **What is a CAP?**
 - Blueprint for effective/cost-efficient GHG reductions
 - Programmatic actions
- **What are the benefits of a CAP?**
 - Track progress towards AB 32 & SB 32
 - Achieve other General Plan goals
 - Environmental review streamlining
 - Leverage funding



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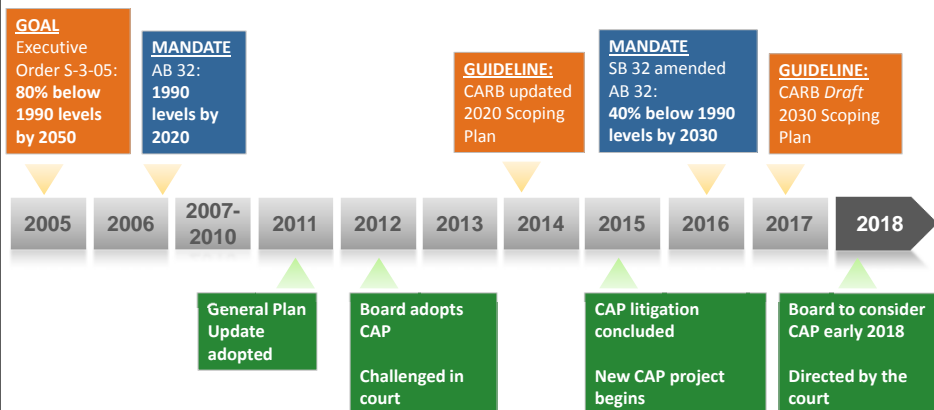
Climate Action Planning

- Are local jurisdictions required to have CAPs?
 - No state mandated requirement to adopt CAP
 - Required to analyze GHG during project review
- Why does the County need a CAP?
 - CAP needed to mitigate GHG per 2011 GPU
 - GP Goal and Policy calls for a County CAP
 - Balancing environmental, social, and economic interests

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How Did We Get Here?

REGULATORY FRAMEWORK - STATE



CLIMATE ACTION PLAN - COUNTY

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Project Team

Internal Working Group



- Agriculture, Weights & Measures
- Air Pollution Control District
- County Counsel
- Environmental Health
- General Services
- Health & Human Services Agency
- Human Resources
- Office of Emergency Services
- Parks & Recreation
- Planning & Development Services
- Public Works

Consultants



CAP
EIR

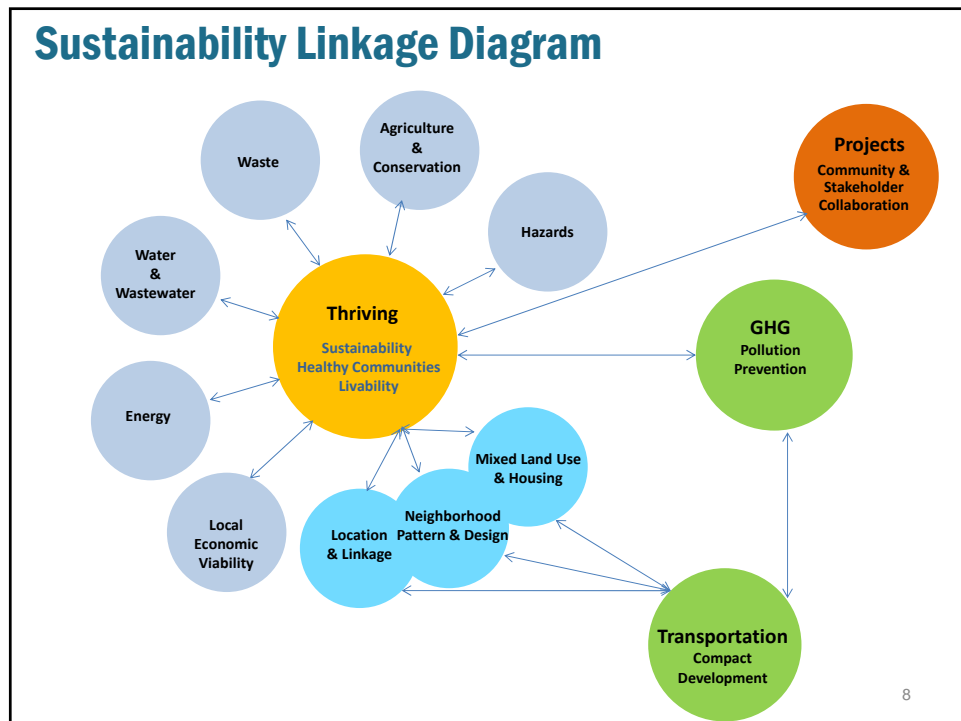


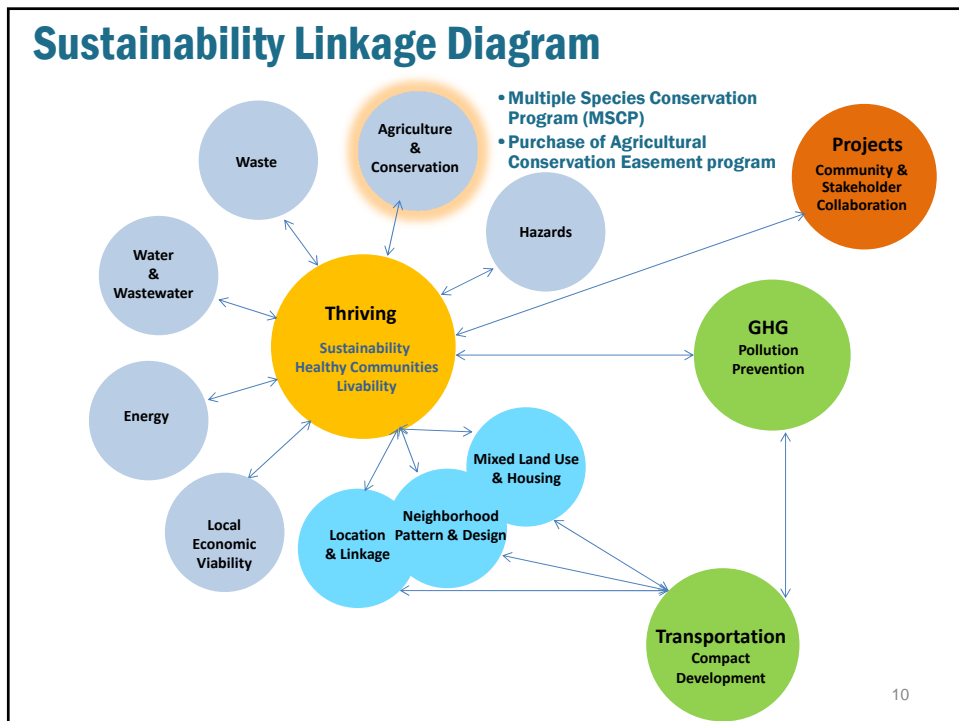
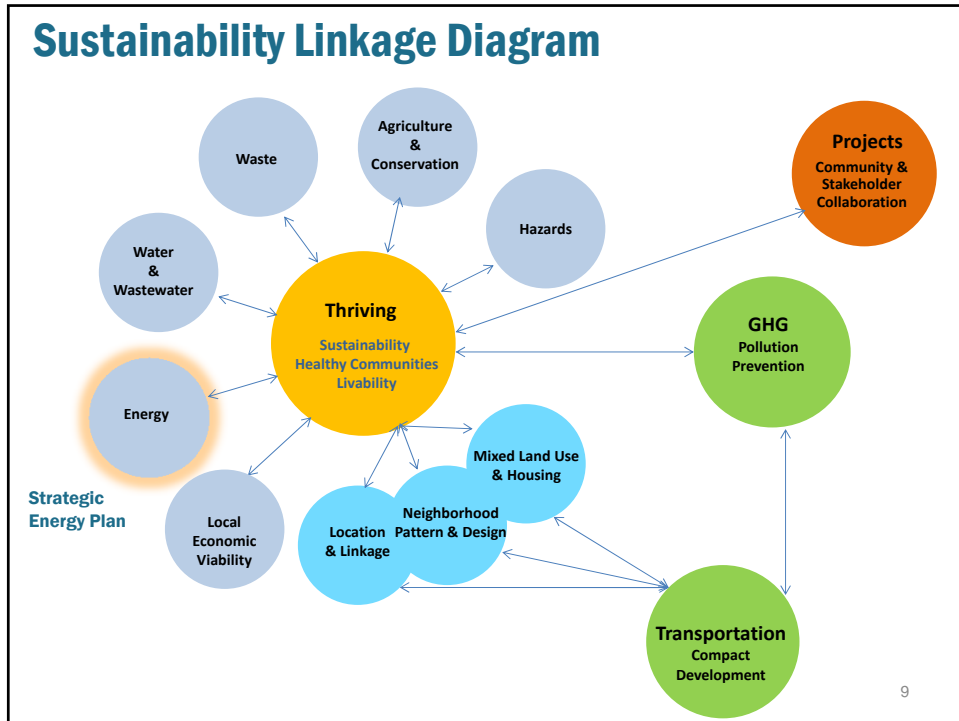
Emissions
Inventory



Visioning
Sessions

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Aligning CAP with County Efforts

- **Increasing Access to Fresh Foods**
 - Food Systems Initiative
- **Encouraging Physical Activity**
 - Active Transportation Plan
 - Parks Master Plan
 - Community Trails Master Plan
- **Conserving Open Space**
 - Multiple Species Conservation Program
 - Comprehensive Tree Planting Program
- **Reducing Waste**
 - Strategic Plan to Reduce Waste
 - Waste Ordinance
- **Improving Air Quality**
 - Incentives, education, and outreach
- **Enhancing Community Resiliency**
 - Multi-Jurisdictional Hazard Mitigation Plan
 - Local Coastal Program
 - HHSA Vulnerability Assessment
- **Conserving Agriculture**
 - Purchase of Agriculture Conservation Easement Program
 - Agricultural Promotion Ordinance
- **Reducing Water and Energy Costs**
 - Strategic Energy Plan
 - Comprehensive Renewable Energy Plan
 - Green Building Incentive Program
 - Solar and EV-Ready Ordinance

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County Accomplishments



287 Live Well San Diego partners



290 property owners have taken advantage of the Green Building Incentive Program



13 large-scale renewable energy projects permitted



26,456 residential and commercial solar and wind permits issued



Installed 37 EV charging ports at 10 County facilities



Conserved 1,761 acres through the Purchase of Agricultural Easements



Conserved 48,382 acres through the Multiple-Species Conservation Program



Developed Tiered Wind Ordinance



Transitioned 1,364 fleet vehicles and equipment to hybrid and alternative fuels



51 County LEED buildings

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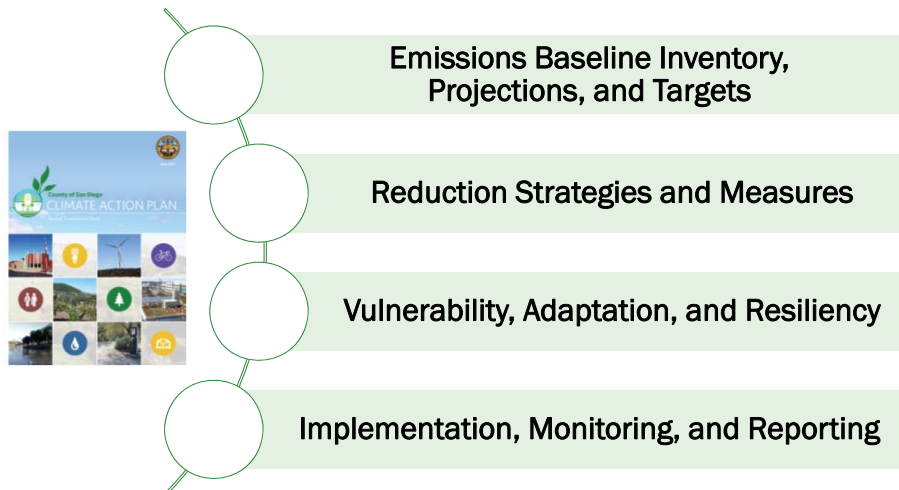
Best Practices for Rural Counties















- Building Energy Efficiency
- Renewable Energy Use
- Alternative Fuels
- Protected Bike/Ped Lanes
- Traffic Calming
- Tree Canopy
- Waste Reduction
- Water Conservation
- Education & Outreach

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Common Components of a CAP



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Identifying Co-Benefits			
Symbol	Co-Benefit	Symbol	Co-Benefit
	Air Quality		Public Health
	Biological Resources		Cost Savings
	Community Health		Job Generation
	Water Quality		Energy Savings
	Noise Reduction		Improved Mobility
	Carbon Sequestration		Water Supply

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Identifying Co-Benefits			
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	Biological Resources		Cost Savings
	Community Health		Job Generation
	Water Quality		Energy Savings
	Noise Reduction		Improved Mobility
Increasing Building Energy Efficiency to Reduce Emissions			

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Approach to Preparing the CAP

Draft GHG Emissions Inventory

Projections and Targets
Development

Identification of State
Legislative Actions

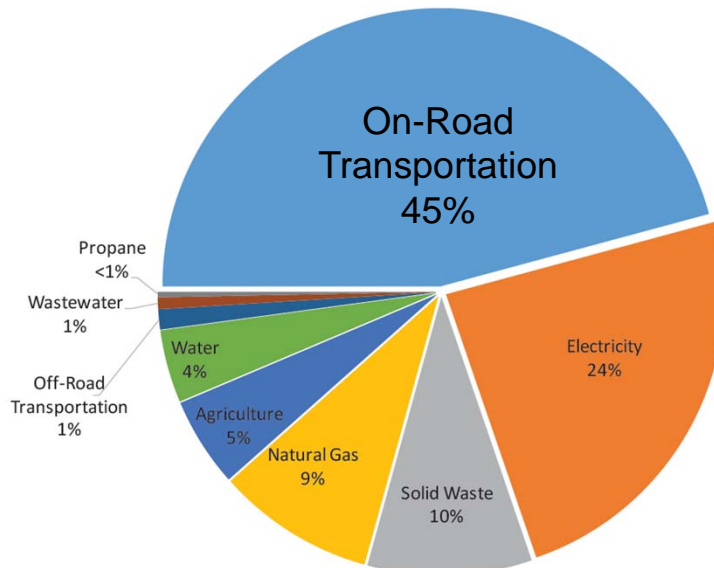
Draft Reduction Measures

Analysis of Reduction
Measures



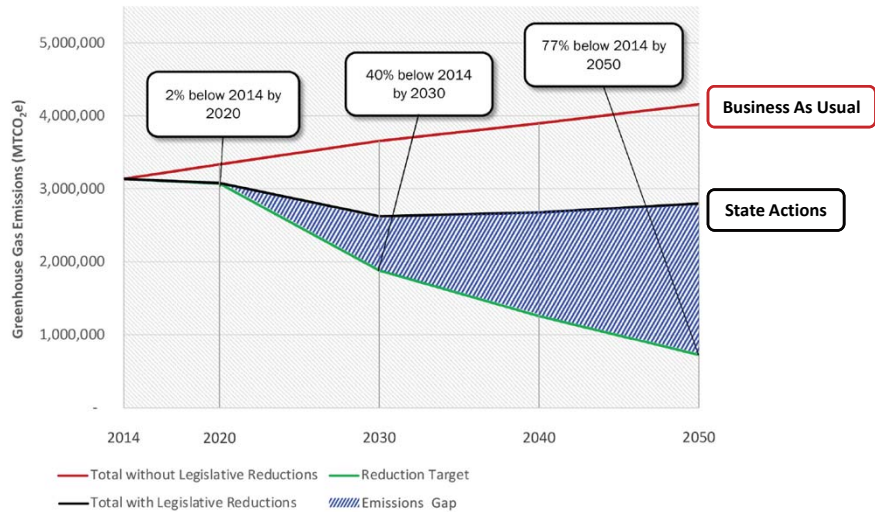
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2014 Emissions Inventory



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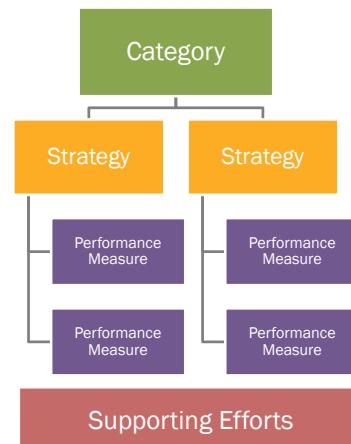
Reduction Targets



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Structure of the CAP

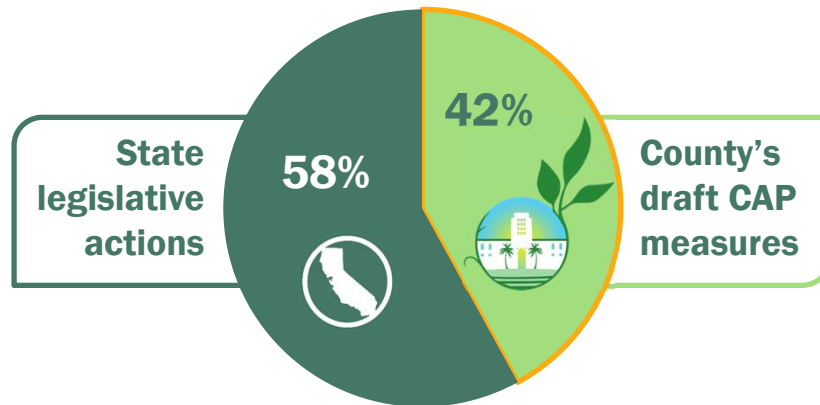
- Programmatic plan
- Composed of specific projects and programs
- Collectively achieve GHG reduction target
- Monitored, reviewed, and updated over time



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Greenhouse Gas Reductions

To achieve the County's 2030 target:



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Greenhouse Gas Reductions – State Actions

Built Environment & Transportation

- Tractor-Trailer Greenhouse Gas Regulation
- Pavley Clean Car Standards
- Fuel Efficiency Standards (federal)
- SB 375 – Sustainable Communities

Energy

- SB 350 – Renewable Portfolio Standard
- SB 350 – Building Energy Efficiency
- Title 24 – Energy Efficiency

Solid Waste

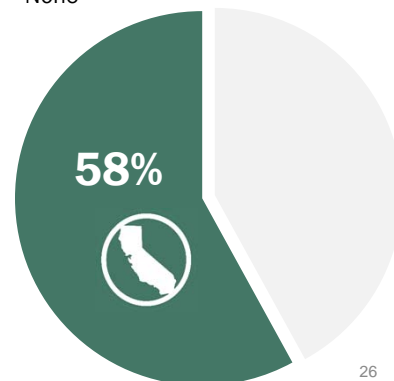
- Existing LFG capture continues through 2050

Water & Wastewater

- SB 350 – Renewable Portfolio Standard

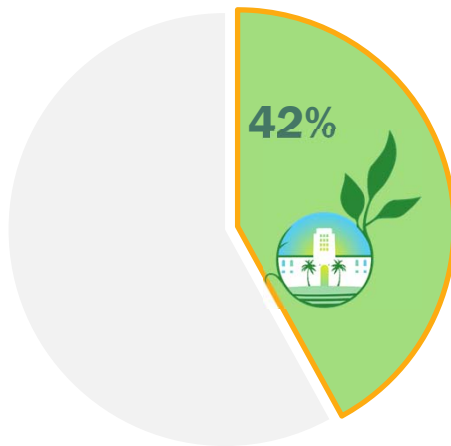
Agriculture & Conservation

- None



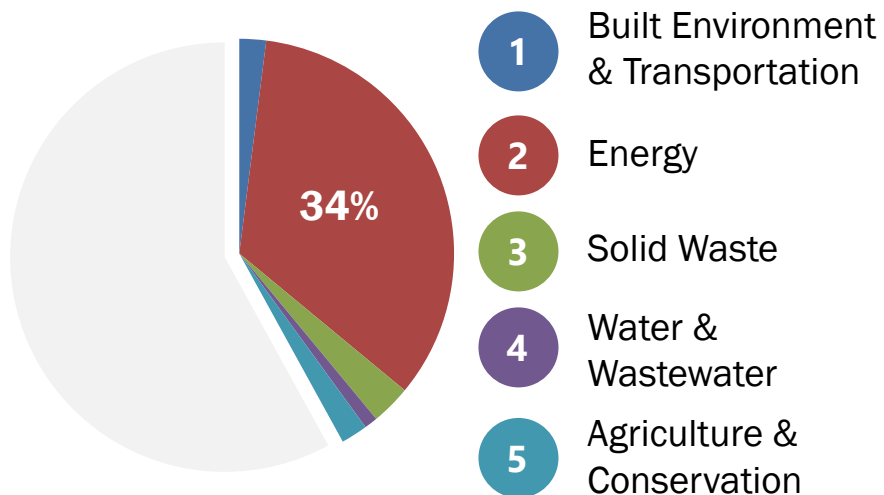
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Greenhouse Gas Reductions – County Actions



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Greenhouse Gas Reductions – CAP Measures

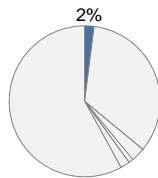


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Built Environment & Transportation

Strategies

1. Reduce vehicle miles traveled
2. Shift towards alternative modes of transportation
3. Decarbonize on-road and off-road vehicle fleet
4. Reduce Emissions and Provide Co-benefits through local projects



Potential Reduction Measures

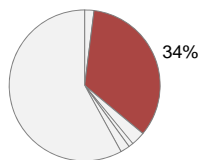
- Preserve lands for open space
- Preserve lands for agricultural use
- Reduce County employee commute
- Reduce County fleet emissions
- Implement Transportation Demand Management
- Encourage alternative fuels
- Implement Fleet Modernization Program
- Make direct investments in local projects

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Energy

Strategies

1. Increase building energy efficiency
2. Increase renewable energy use



Potential Reduction Measures

- Green Building Incentives
- Reduce energy use at County facilities
- Increase solar PV installation
- Implement County Strategic Energy Plan
- Increase energy efficiency in new and existing development
- Transition to alternative water heaters
- Increase renewable electricity use

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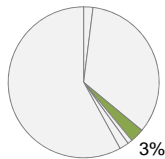
Solid Waste

Strategies

1. Increase solid waste diversion in the unincorporated County

Potential Reduction Measures

- Achieve Board-adopted Goal



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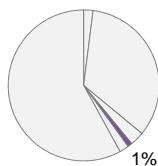
Water & Wastewater

Strategies

1. Reduce potable water consumption
2. Increase rainwater use

Potential Reduction Measures

- Reduce consumption at County facilities
- Install water-efficient appliances and plumbing
- Incentivize low-/no-water landscaping
- Incentivize capture, storage, and re-use of rainwater

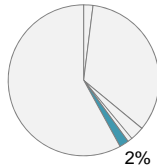


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Agriculture & Conservation

Strategies

1. Support alternative fuels for agricultural equipment
2. Reduce emissions from fertilizer use
3. Increase carbon sequestration



Potential Reduction Measures

- Increase tree canopy coverage
- Support use of alternative fuel sources for agricultural equipment and irrigation pumps
- Encourage reductions from enteric fermentation
- Optimize fertilizer use

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Next Steps

**Summer
2017**

Stakeholder Engagement:

- CEQA Public Review
- Public Informational Meetings
- Triple Bottom Line Stakeholder Meetings
 - Environmental Community
 - Business Community
 - Community Groups

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Next Steps	
Late 2017	Planning Commission Hearing
Early 2018	Board of Supervisors Hearing
On-going	Implementation <ul style="list-style-type: none"> • Annual monitoring • 2-year inventory updates • 5-year plan updates

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Questions/Comments

Thank You



Stakeholder Engagement

- Groups to be Re-engaged during Public Review
 - Sierra Club
 - Cleveland National Forest Foundation
 - Endangered Habitats League
 - Climate Action Campaign
 - Building Industry Association
 - National Association of Industrial and Office Properties
 - San Diego County Taxpayers Association
 - San Diego Regional Chamber of Commerce
 - 26 Community Planning Groups/Sponsor Groups Chairs
 - 50+ Regional Partners

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