

# Regional GHG Reduction Plan

**ATKINS**



## Final Environmental Impact Report

**March 5, 2014**

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**Plan Design Enable**



## San Bernardino County Regional Greenhouse Gas (GHG) Emissions Inventory and Reduction Plan

### Goals:

- Provide a plan that is consistent with the State and County efforts.
- Provide feasible, cost effective reductions of GHG emissions in the region.
- Provide the technical information needed for local climate action plans that fulfills §15183.5 of the CEQA Guidelines.



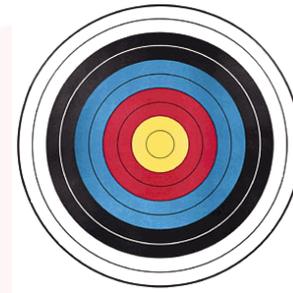
# San Bernardino County Regional GHG Emissions Inventory and Reduction Plan



- Executive Summary**
- Chapter 1 - Introduction**
- Chapter 2 - Background information**
- Chapter 3 – City Chapters**
  - Emissions**
  - Reduction Measures**
  - General Plan Policies**
- Chapter 4 – Reduction Measures**
- Chapter 5 – Implementation/Regional Coordination**
- Appendix A - San Bernardino County Regional 2008 Community Greenhouse Gas Inventories**
- Appendix B – GHG Reduction Measure Methods**



# Reduction Targets



Each City chooses their own Reduction Target:

- Consistent with Assembly Bill (AB) 32—The California Global Warming Solutions Act of 2006
- Consistent with the City's Adopted General Plan and Climate Action Plans
- Targets are achievable using feasible reduction measures

# Reduction Measures



<i>Measure</i>	<i>Description</i>	<i># of Cities</i>
<b>Building Energy</b>		
Energy-1	Energy Efficiency for Existing Buildings	14
Energy-2	Outdoor Lighting	11
Energy-3	Green Building Ordinance	0
Energy-4	Solar Installation for New Housing	16
Energy-5	Solar Installation for New Commercial	12
Energy-6	Solar Energy for Warehouse Space	6
Energy-7	Solar Installation for Existing Housing	14
Energy-8	Solar Installation for Existing Commercial/Industrial	13
Energy-9	Co-Generation Facilities	7
<b>On-Road Transportation</b>		
Transportation-1	Sustainable Communities Strategy	12
Transportation-2	Smart Bus Technologies	14
<b>Off-Road Equipment</b>		
OffRoad-1	Construction Equipment	10
OffRoad-2	Idling Ordinance	11
OffRoad-3	Landscaping Equipment	9



<i>Measure</i>	<i>Description</i>	<i># of cities</i>
<b>Solid Waste Management</b>		
Waste-1	Waste Diversion	9
<b>Water Conveyance</b>		
Water-1	Require Tier 1 Voluntary CALGreen Standards for New Construction	9
Water-2	Renovate Existing Buildings to Achieve Higher Levels of Water Efficiency	8
Water-3	Water-Efficient Landscaping Practices	13
Water-4	Implement SB X7-7	21
<b>Wastewater Treatment</b>		
Wastewater-1	Methane Recovery	5
Wastewater-2	Equipment Upgrades	15
Wastewater-3	Recycled Water	8
<b>Agriculture</b>		
Agriculture-1	Methane Capture at Large Dairies	1
Agriculture-2	Utilize Methane Captured at Dairies	1
<b>Land Use/Urban Forestry</b>		
LandUse-1 (BE)	Urban Tree Planting	10
LandUse-2 (BE)	Promote Rooftop Gardens	4
<b>GHG Performance Standard for New Development</b>		
PS-1	Performance Standard	18



# Relationship of the Regional Plan and Local Climate Action Plans

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- Local City:
  - Uses technical information from Regional Plan
  - Uses City chapter and background info
  - Refine/adapt/elaborate measures (if desired)
  - Define local implementation steps
  - Compiles local CAP using the above information
  - Processes through local approval process

# Environmental Impact Report

- Notice of Preparation (Issued November 14, 2012)
- Scoping process (30 day public review)
- Notice of Availability (October, 21 2013)
- Draft EIR (sixty day public review)
- Final EIR (January 2014)
  - Response to Comments
  - Changes in the Draft
- Certification of the FEIR (March 5, 2014)
- Adopt the Mitigation Monitoring and Reporting Program (MMRP)(March 5, 2014)
- Decision on Project (March 5, 2014)

- Aesthetics (Scenic Vistas, visual character, light/glare)  
Two – Eleven Mitigation Measures (5 Cities)
- Air Quality (Localized air toxics impacts near rail transit stations)  
One Mitigation Measure (7 Cities)
- Biologic Resources (Endangered species, wetlands, habitat, and plans)  
Four Mitigation Measures (1 City)
- Cultural Resources (retrofits of buildings of historic age)  
One Mitigation Measure (5 Cities)

# Comments on the EIR

- City of Yucaipa
  - Alleges that SANBAG used incorrect growth forecasts in the Plan and EIR
  - Requesting updates in population and jobs growth projections
  - Requests review of the reduction target since the City is able to exceed it with the chosen reduction measures
- City of San Bernardino
  - Requests that the Aesthetics mitigation measures focus on solar only
  - Requested that the Land Use Map is updated
- Building Industry Legal Defense Foundation (BILD)
  - Alleges that Title 24 Departure mandates are a burden to residential home builders and yield little in GHG reductions.
  - States that Title 24 Departure mandates requires CEC approval
  - Comments focus on the City of Chino CAP
  - Requests that Participating Cities forgo Title 24 Departure mandates

# Comments on the EIR

- Center for Biological Diversity
  - Requested an extension of the public review period
  - Questions the EIR adequacy (legal standard)
  - Alleges that the EIR does not have a stable baseline
  - Confuses 2020 BAU with Baseline
  - Alleges that reductions from BAU are not legally defensible
  - Alleges that the reduction measures are vague and not supported with evidence
  - Alleges that the Performance Standard in particular cannot assure meaningful reductions because it is based on BAU and does not mandate specific reduction technologies.
  - Alleges that voluntary measures cannot be used
  - Alleges that some Cities are not reducing enough because they meet their target too easily
  - Alleges that AB32 compliant reduction targets do not reduce the cumulative impact of climate change to less than significant.
  - Alleges that the EIR is inadequate to support tiering

# Changes in the EIR and Plan

- Seven Cities moved GHG reductions associated with the Green Building Ordinance (Energy-3, aka Title 24 Departure mandates) to the GHG Performance Standard
  - This changes both the EIR Project Description and the Plan
- Changes in the reduction quantification for 20 Cities due to an error in the calculations for SB X7-7 water efficiencies.
  - Changes made in tables and figures within the EIR and Plan
- Changes to the aesthetics mitigation measures for the City of San Bernardino making them specific to solar only.
- Air Quality mitigation revised to allow TOD and added to the City of Redlands to accommodate the Metrolink extension into Redlands.
- The Land Use Map for the City of San Bernardino was updated in the FEIR.

Questions?