

# RENEWABLE ENERGY MEETING

June 18, 2011





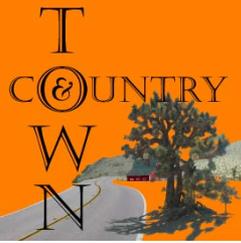
# Welcome

- Introductions
- Opening remarks
- Meeting purpose and objective



# Meeting Purpose & Objectives

- Purpose
  - How best to address utility-scale renewable energy projects in the unincorporated Antelope Valley
- Objectives
  - Understand different perspectives on renewable energy
  - Gather feedback on draft materials
  - Collect recommendations



# Overview

- Background on Antelope Valley Area Plan Update
- Background on renewable energy
- Current processes
- Map development process
- Renewable energy goals and policies
- Implementation
- General concerns

# Antelope Valley Area Plan Update

- Area Plan
  - Land use policy document guiding future development and conservation for a specific geographical area
- Existing Antelope Valley Area Plan last adopted in 1986
- Account for environmental changes
- Comply with State mandates





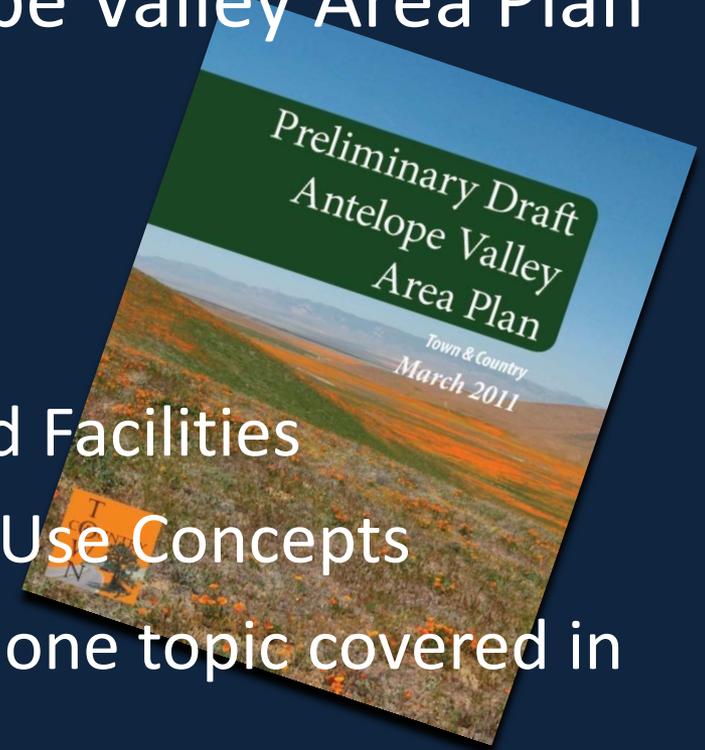
# Antelope Valley Area Plan Update

- Update underway since Fall 2007
- 23 community meetings, additional 44 stakeholder meetings
- News coverage by Antelope Valley Press, Los Angeles Times, community newspapers, and Time Warner Cable



# Antelope Valley Area Plan Update

- March 2011 - Release of Preliminary Draft Antelope Valley Area Plan
  - Land Use
  - Mobility
  - Conservation/Open Space
  - Public Safety, Services, and Facilities
  - Community-Specific Land Use Concepts
  - \* Renewable energy will be one topic covered in the Area Plan





# Renewable Energy

- Why now?
  - Fossil fuels are finite
  - Demand for energy is growing
  - Limited and broad policies in existing plans
  - Need to support State goals/legislation
  - Need to account for existing communities
  - Need for biological sensitivity
  - Need to plan ahead



# Renewable Energy



- State legislation
  - 2002 - SB 1078
    - Established California Renewables Portfolio Standard (RPS)
  - 2006 - SB 107
    - Accelerated RPS requiring 20% renewables by 2010



# Renewable Energy



- State legislation (cont.)
  - 2008 - EO S-14-08
    - Required retail sellers serve 33% with renewables by 2020
  - 2009 - EO S-21-09
    - Directed California Air Resources Board to enact regulations to achieve 33% renewables by 2020

# Renewable Energy



- State legislation (cont.)
  - 2011 - SB X1-2
    - Codified this 33% renewables by 2020 goal



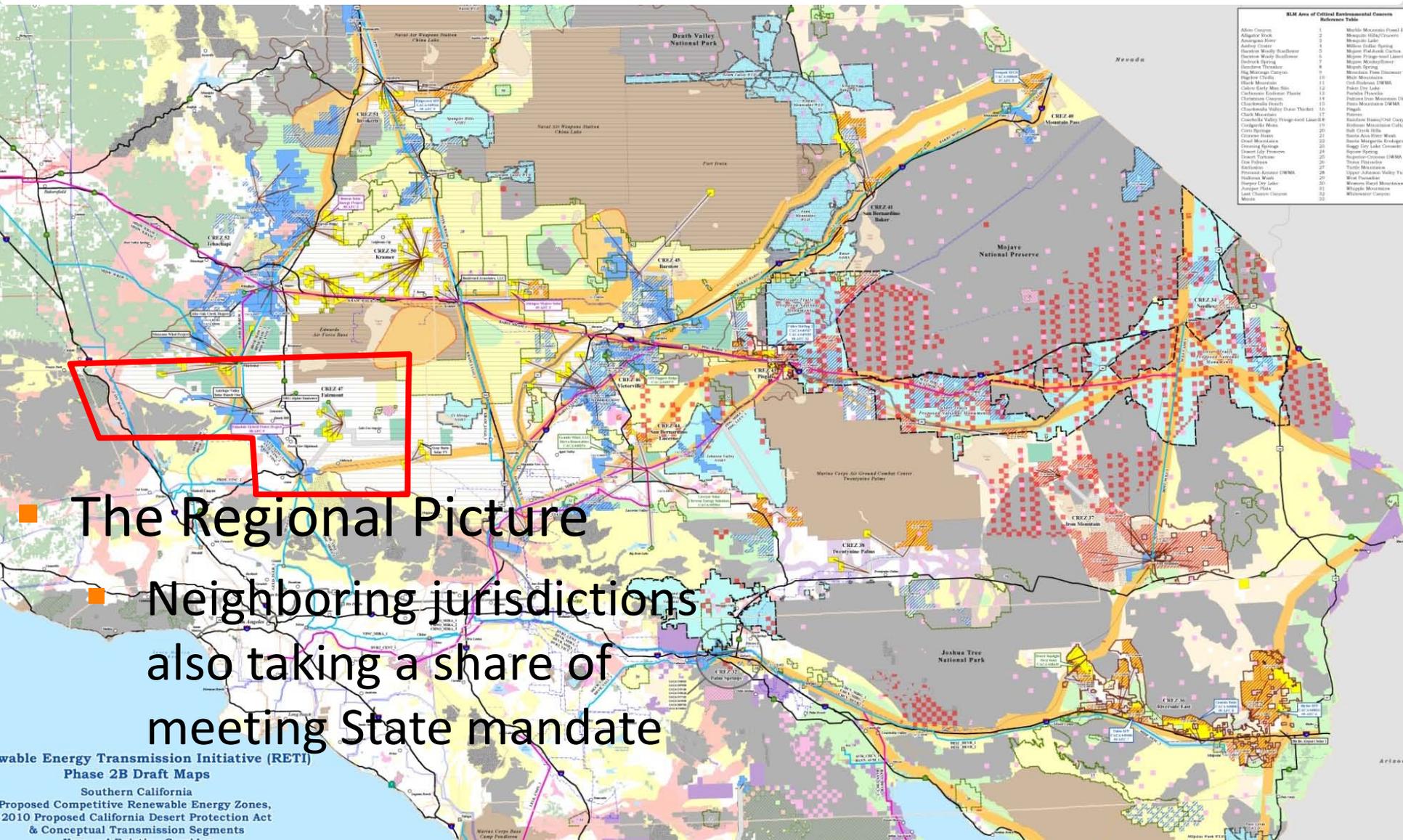
# Renewable Energy

- State planning efforts
  - RETI: Renewable Energy Transmission Initiative  
*Website: [www.energy.ca.gov/reti](http://www.energy.ca.gov/reti)*
  - DRECP: Desert Renewable Energy Conservation Plan  
*Website: [www.drecp.org](http://www.drecp.org)*





# Renewable Energy



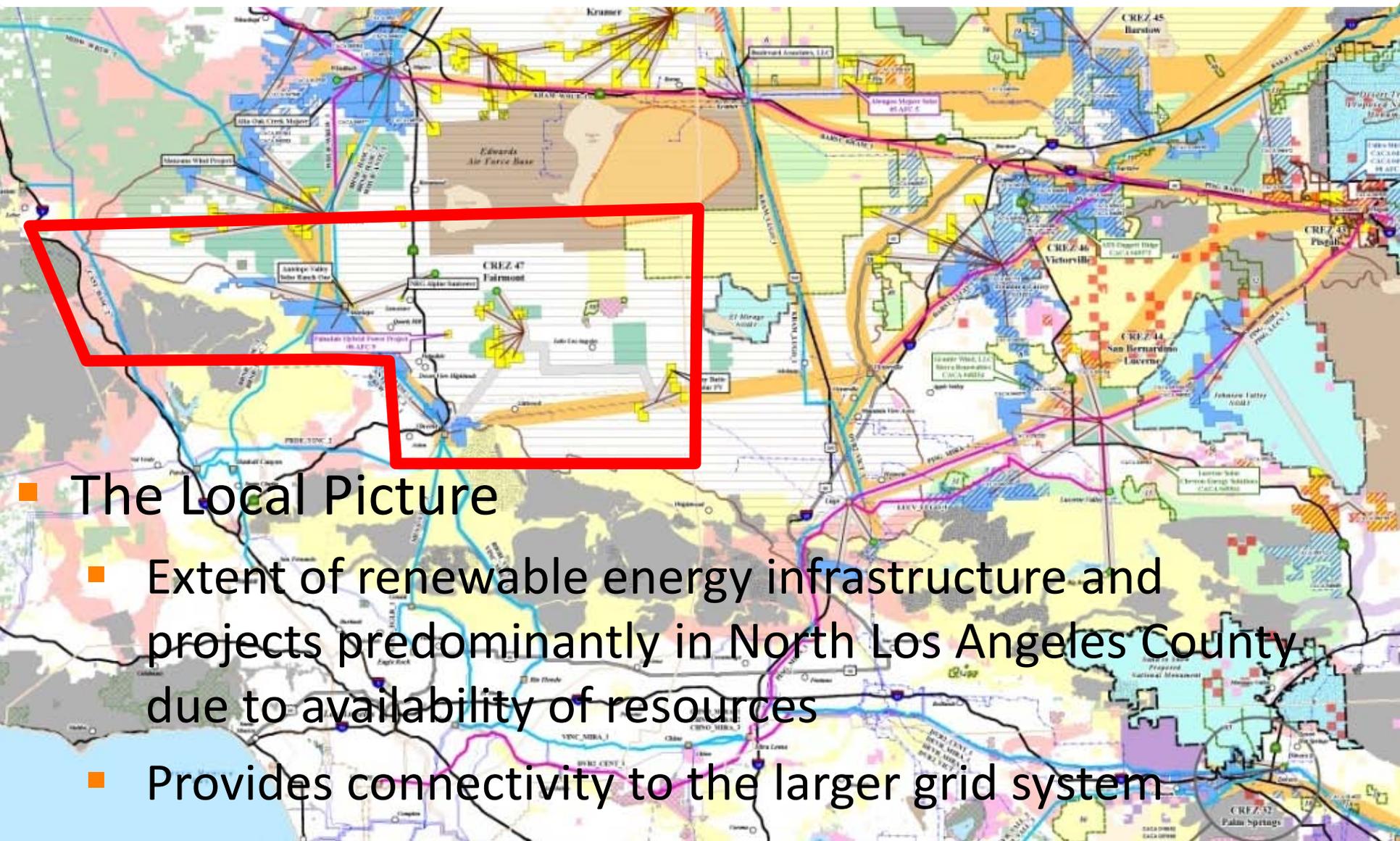
**BLM Area of Critical Environmental Concern Reference Table**

Adobe Canyon	1	North Mojave Flats	1
Alpine Lake	2	Northwest Flats	2
Antelope Valley	3	Northwest Flats	3
Antelope Valley	4	Northwest Flats	4
Antelope Valley	5	Northwest Flats	5
Antelope Valley	6	Northwest Flats	6
Antelope Valley	7	Northwest Flats	7
Antelope Valley	8	Northwest Flats	8
Antelope Valley	9	Northwest Flats	9
Antelope Valley	10	Northwest Flats	10
Antelope Valley	11	Northwest Flats	11
Antelope Valley	12	Northwest Flats	12
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Antelope Valley	45	Northwest Flats	45
Antelope Valley	46	Northwest Flats	46
Antelope Valley	47	Northwest Flats	47
Antelope Valley	48	Northwest Flats	48
Antelope Valley	49	Northwest Flats	49
Antelope Valley	50	Northwest Flats	50

- The Regional Picture
- Neighboring jurisdictions also taking a share of meeting State mandate

Renewable Energy Transmission Initiative (RETI)  
 Phase 2B Draft Maps  
 Southern California  
 Proposed Competitive Renewable Energy Zones,  
 2010 Proposed California Desert Protection Act  
 & Conceptual Transmission Segments

# Renewable Energy



## ■ The Local Picture

- Extent of renewable energy infrastructure and projects predominantly in North Los Angeles County due to availability of resources
- Provides connectivity to the larger grid system



# Current Policies

- 1980 General Plan
  - In the face of scarce fuel resources and rising fuel costs, energy must be conserved and new sources of energy found.
    - Support the conservation of energy and encourage the development and utilization of new energy sources including geothermal, thermal waste, solar, wind and ocean-related sources.
    - Promote the use of solar energy to the maximum extent possible.



# Current Policies

- 1986 Antelope Valley Area Plan
  - Promote the use of alternative energy sources (including solar and wind) for heating and cooling.



# Current Process

- Utility-scale
  - Refers to large electricity generating projects producing energy for sale to utility companies which is then sold to consumers



# Current Process

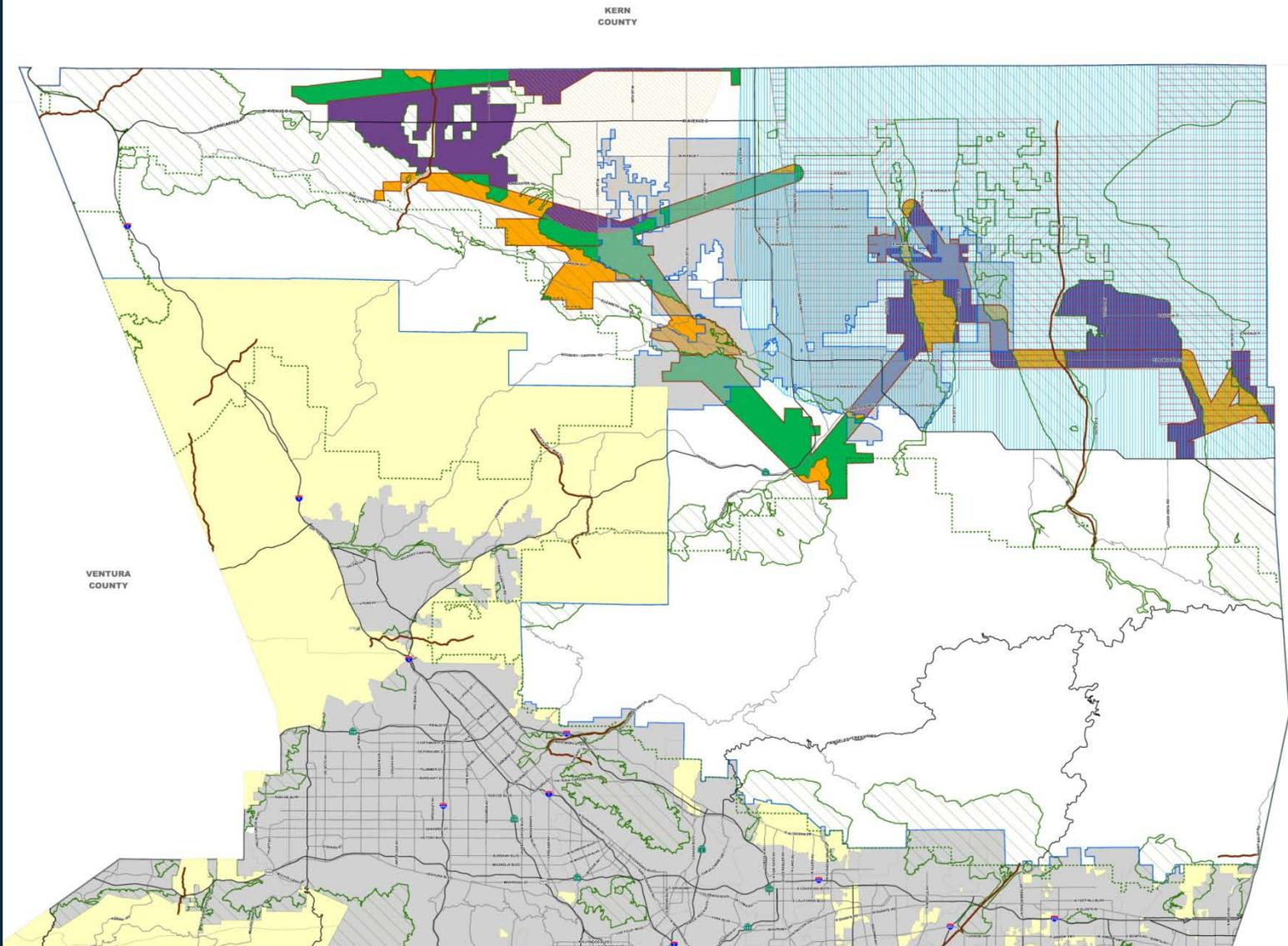
- Zoning
  - Not allowed in residential, light agriculture, and open space zones
- Permitting
  - Allowed in heavier industrial zones
  - Allowed in heavy agriculture, commercial, and lighter industrial zones with a Conditional Use Permit (CUP)



# Current Process

- Environmental Review
  - Utility-scale renewable energy projects undergo impact analysis under California Environmental Quality Act standards

# DRAFT Map



KERN COUNTY

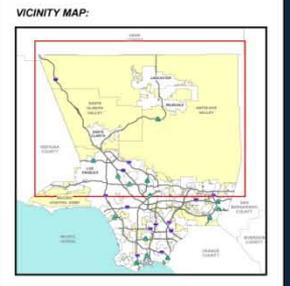
VENTURA COUNTY

LOS ANGELES COUNTY  
Town and Country  
Planning Area  
Renewable Energy Production  
Priority Map **DRAFT**

- LEGEND:**
- Priority Energy Zones**
- Zone 1: High Priority – Unknown Habitats
  - Zone 2: Medium Priority – Hawk/Squirrel/Tortoise
  - Zone 3: Low Priority – SEA/ETA
- Overlays**
- Competitive Renewable Energy Zone\*
  - Wildlife Corridor<sup>1</sup>
  - Swainson's Hawk Habitat<sup>2</sup>
  - Mojave Ground Squirrel/Desert Tortoise Habitat<sup>3</sup>
  - Proposed Significant Ecological Area (SEA)
  - Ecological Transition Area (ETA)
  - Edwards Air Force Base Impact Area (EIA)
- Base Features**
- Planning Area
  - Other Unincorporated Area
  - Incorporated City
  - Parcel Boundary
  - National Forest Boundary

**NOTES:**  
This map is a component of the Antelope Valley Area Plan Update Program. It is a working draft subject to revision and will not be official until adopted by the Board of Supervisors. Information within areas is for reference only. Suggestions for modifications to its contents will be considered by County staff when reviewing the map for public hearings by the Regional Planning Commission. Written comments and supporting documentation should be submitted to the Department of Regional Planning, Community Studies – North Section (Address: 320 W. Temple Street, Los Angeles, CA 90012; Fax: 213-428-6544; or email: hnc@planning.lacounty.gov).

**Sources:**  
\* California Energy Commission's Renewable Energy Transmission Initiative.  
<sup>1</sup> South Coast Wildlands Missing Linkage Project. Modifications by the Department of Regional Planning.  
<sup>2</sup> California Department of Fish and Game  
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# Map Development Process

- DRAFT

## Renewable Energy Production Priority Map

- Purpose: tool used to identify optimal areas for utility-scale renewable energy projects
- Does not preclude any areas from renewable energy
- First draft intended to provide a basis for discussion about such tool
- Not intended to make the process more restrictive



# Map Development Process

- Data Sources
  - CA Energy Commission: Renewable Energy Transmission Initiative (RETI) to map Competitive Renewable Energy Zones (CREZs)
  - CA Department of Fish & Game: Desert Renewable Energy Conservation Plan (DRECP) to identify additional species habitat areas
  - LA County Department of Regional Planning: Significant Ecological Areas (SEAs)
  - Edwards Air Force: Encroachment prevention team to identify potential flight testing interference areas



# Map Development Process

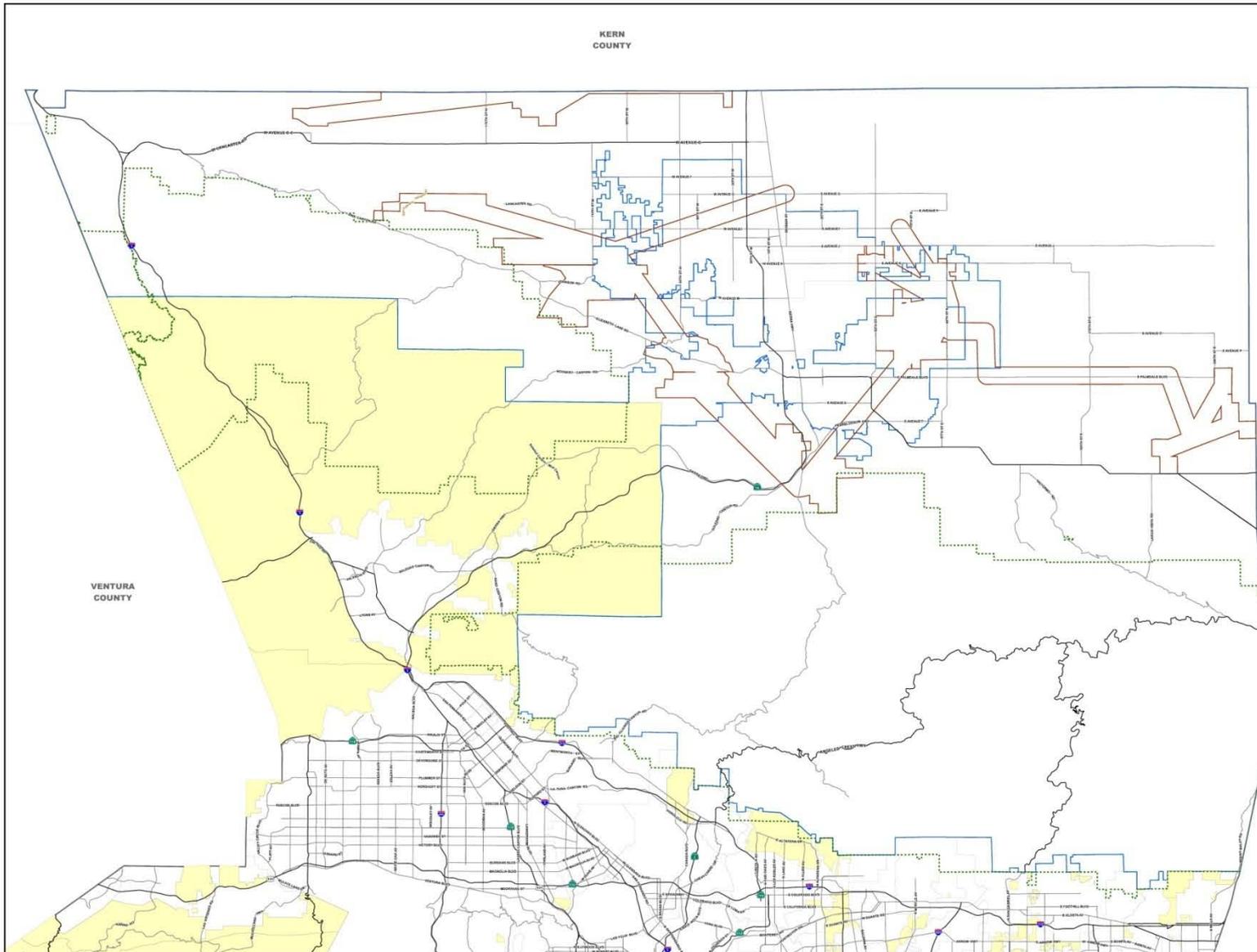
- DRAFT Renewable Energy Production Priority Map Factors:
  - Competitive Renewable Energy Zones (CREZs)
  - Significant Ecological Area (SEA)
  - Swainson's hawk habitat
  - Mojave ground squirrel
  - Desert tortoise
  - Edwards Air Force Base Impact Area



# Map Development Process

- Approach
  - Use of environmental factors
  - Tiered zones to address identified weighted factors
  - Lower priority areas would receive more stringent conditions
  - Non-zone lands addressed through policy and regulations

# Base: CREZs



## LOS ANGELES COUNTY

### Town and Country Planning Area

### Renewable Energy Production Priority Map **DRAFT**

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- Priority Energy Zones**
- Zone 1: High Priority - Unknown Habitats
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#### VICINITY MAP:

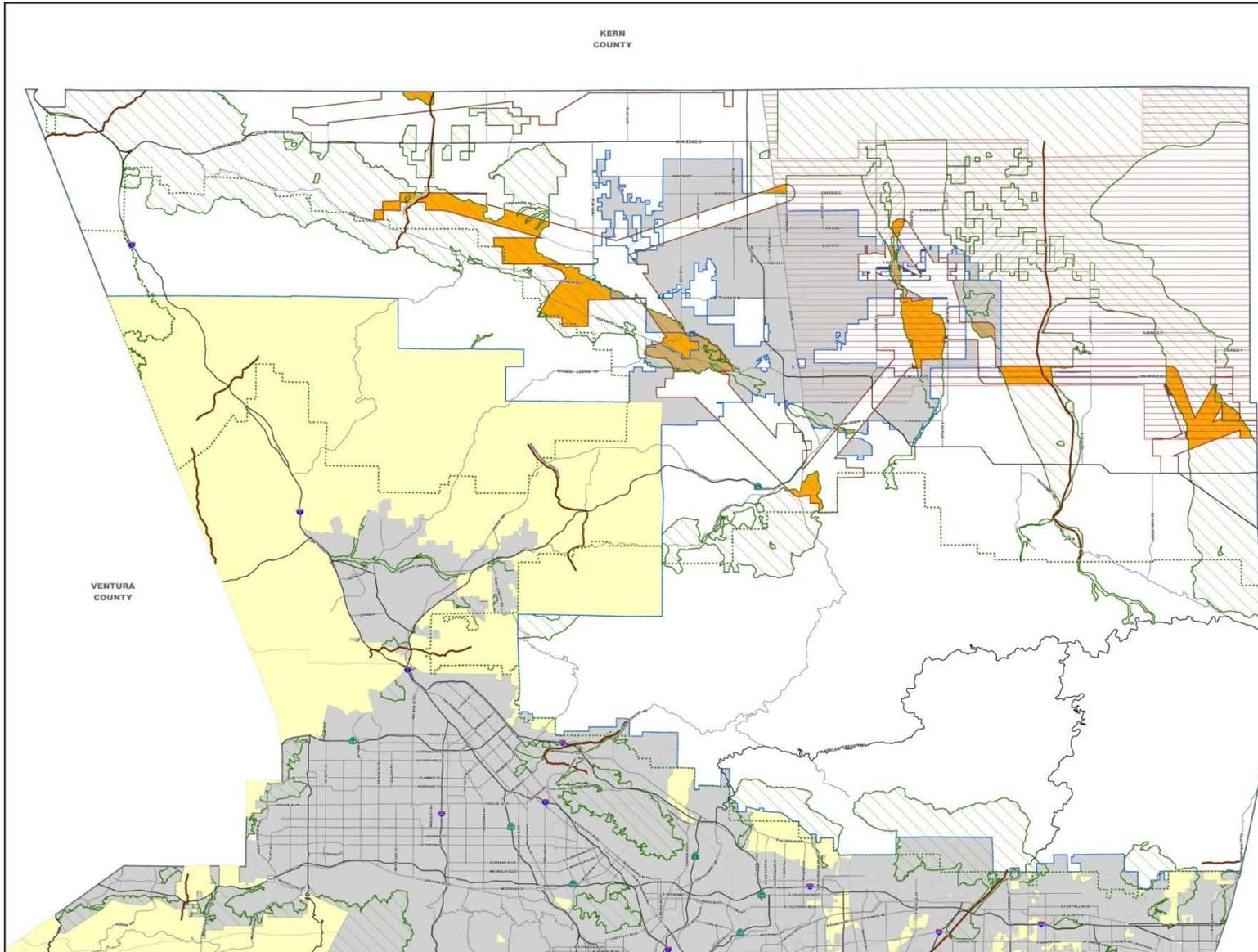


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LOS ANGELES COUNTY  
Department of Regional Planning  
330 W. Temple St.  
Los Angeles, CA 90012

Scale: 1" = 2.5 Miles

# Zone 3: Low Priority – SEA/ETA



LOS ANGELES COUNTY

Town and Country  
Planning Area

Renewable Energy Production  
Priority Map **DRAFT**

**LEGEND:**

- Priority Energy Zones**
- Zone 1: High Priority – Unknown Habitats
  - Zone 2: Medium Priority – Hawk/Squirrel/Tortoise
  - Zone 3: Low Priority – SEA/ETA
- Overlays**
- Competitive Renewable Energy Zone\*
  - Wildlife Corridor†
  - Swainson's Hawk Habitat‡
  - Mojave Ground Squirrel/Desert Tortoise Habitat‡
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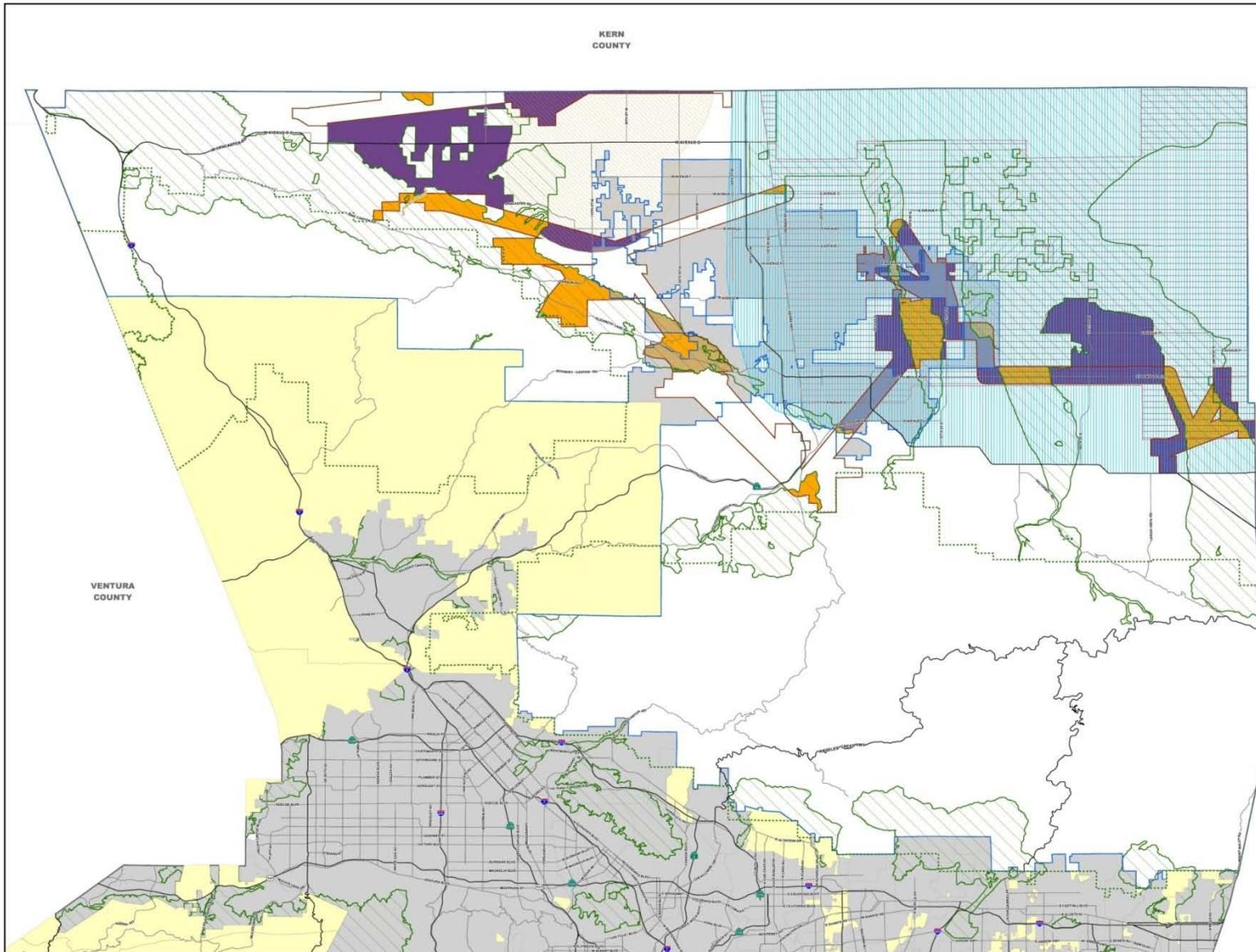


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Department of Regional Planning  
330 W. Temple St.  
Los Angeles, CA 90012

Scale: 1" = 2.5 Miles

# Zone 2: Medium Priority – Hawk/Squirrel/Tortoise



LOS ANGELES COUNTY

Town and Country  
Planning Area

Renewable Energy Production  
Priority Map **DRAFT**

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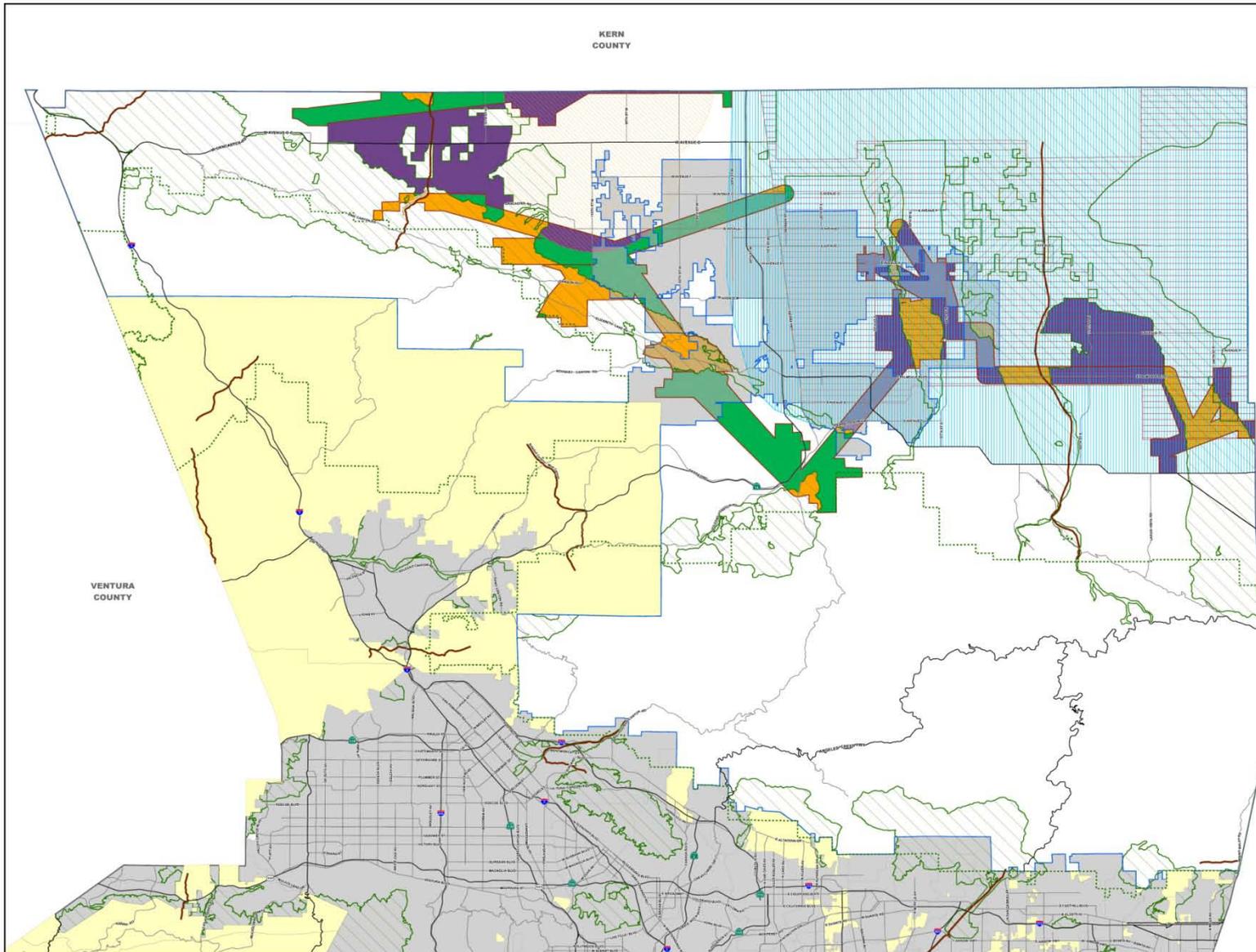
**VICINITY MAP:**



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LOS ANGELES COUNTY  
 Department of Regional Planning  
 230 W. Temple St.  
 Los Angeles, CA 90012

# Zone 1: High Priority – Unknown Habitats



LOS ANGELES COUNTY

Town and Country  
Planning Area

Renewable Energy Production  
Priority Map **DRAFT**

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LOS ANGELES COUNTY  
 Department of Regional Planning  
 230 W. Temple St.  
 Los Angeles, CA 90012

0 2.5 5 Miles



# Draft Goals and Policies

- Goals and policies provide the framework for more detailed regulations
- Many of the goals and policies came directly from the community
- Additional goals and policies added by DRP staff



# Implementation

- We don't have all the answers yet
- Specific implementation will come in the form of a Renewable Energy Ordinance



# General Concerns

- June 2008 Community Vision Meetings
  - Wind farms impact on birds
  - Habitat loss
  - Sustainable (solar/green)
  - Power lines
  - Impact from utility corridors
  - Lack of jobs



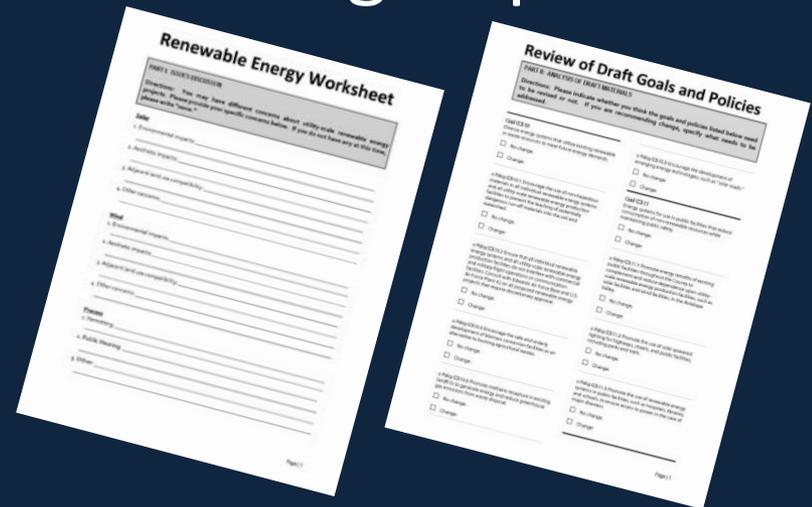
# Community Vision

- June 2008 Community Vision Meetings
  - Encourage alternative energy
  - Underground power lines
  - Solar energy thriving instead of wind farms
  - Solar power use with balance of open space, clean industry, farming, well-designed homes, while maintaining rural communities
  - Green industry support



# Workshop

- Each group has one staff facilitator
- Worksheet contains three sections that need to be filled out individually
- Opportunity to share ideas
- Group report to listen to other groups thoughts
- ~ 1 hour to complete





# Group Report

- Each facilitator to share ideas from their group



# Wrap Up

- Meeting Recap
- Next Steps
- Questions and Answers



# Wrap Up

- Meeting Recap
  - Met objectives
  - Materials are all a draft and subject to change given your feedback
  - Not the first or last opportunity to provide input on the topic or the Antelope Valley Area Plan Update



# Wrap Up

- Next Steps



**REVIEW  
FEEDBACK**

**CONSULT WITH  
AGENCIES**

**REVISE DRAFT  
MATERIALS**

**RELEASE REVISED  
DRAFT MATERIALS  
FOR PUBLIC  
REVIEW**



# For More Information

Visit the TOWN & COUNTRY website:

<http://planning.lacounty.gov/tnc>

lacounty.gov Board Correspondence County Home County Public Alerts County Public Info Countywide Search Other County Departments

Los Angeles County Department of Regional Planning **NEW** Search Regional Planning **Go**

Case & Hearing View and Download Case and Hearing Information  
Plans & Ordinances Community Planning Efforts, Ordinances, Adopted Plans  
Applications & Forms Conditional Use Permit, Burden of Proof, Etc.  
Enforcement Report Problem / Violation, Zoning Violation Info, Etc.  
Land Use & Zoning LA County Code, Title 22, Zoning Ord. Summary, Etc.  
Maps & GIS Interactive Maps, Map Catalog, GIS Data

**Town & Country - Antelope Valley Area Plan Update**

Town & Country is an effort by the Los Angeles County Department of Regional Planning to update the **Antelope Valley Area Plan**. An area plan is a document containing maps and rules that provides guidance for future land development and conservation for a specific geographic region. This project recognizes the individual needs and identity of each unique town in the unincorporated area as well as the collective needs and identity of the Valley as a whole. Its success depends on the commitment of residents, property owners, business owners, and other stakeholders in the Valley to develop a common vision that will guide growth in the **unincorporated area of the Valley** in coming years.

**Contact Information**

If you would like to receive notices about upcoming meetings, events, and news releases, please send an email to [tno@planning.lacounty.gov](mailto:tno@planning.lacounty.gov) or call us at (213) 974-6476 to be added to the mailing list.

**Mapping Meetings – October & November 2009**

The Los Angeles County Department of Regional Planning continues with TOWN & COUNTRY, an effort to update the Antelope Valley Area Plan. This Fall we will be hosting MAPPING meetings focused on applying the vision you helped create to your own community. At these meetings you will have the opportunity to show us where you think future development and conservation should take place through a series of mapping exercises.

Given the vast area the Antelope Valley covers, five meetings will take place. Each meeting will focus on a set of specific communities; thus, it is **strongly recommended that you attend the meeting under which your community is listed**. Below are the dates and locations.

**Wednesday – October 14, 2009**  
7:00pm-9:00pm  
Acton Community Center  
3742 Nickels St  
Acton, CA 93510  
Communities to attend October 14 meeting: Acton, Ravenna, Vincent

**Wednesday, October 21, 2009**

DRP Home Find Answers Contact DRP

Agendas & Minutes  
Contact Us  
Community Planning Efforts

- East Los Angeles 3rd Street Specific Plan
- Florence Firestone Visioning Project
- Hacienda Heights Community Plan Update
- Santa Clarita Valley / LA County Valleywide General Plan
- Santa Monica Mountains Local Coastal Program
- Santa Monica Mountains North Area Plan
- Town & Country (Antelope Valley Area Plan Update)

Countywide Planning Efforts  
Department Information  
FAQs  
Interactive GIS Maps  
More Information  
Other Programs

Department Spotlight

Interactive GIS Web Mapping Apps



# For More Information

NEW Renewable Energy Webpage:  
<http://planning.lacounty.gov/energy>

The screenshot shows the website interface for the Los Angeles County Department of Regional Planning. At the top, there is a navigation bar with links like 'Board Correspondence', 'County Home', and 'County Public Alerts'. Below this is the department's name and a search bar. A horizontal menu contains categories such as 'Case & Hearing', 'Plans & Ordinances', 'Applications & Forms', 'Enforcement', 'Land Use & Zoning', and 'Maps & GIS'. The main content area features a large banner for 'Renewable Energy' with a background image of solar panels and a landscape. Below the banner, there is introductory text about utility-scale renewable energy projects. To the right of the main text is a 'Contact Information' box listing staff members: Anthony Cuzi, Adam Thurwell, and Thuy Hua, with their respective email addresses and phone numbers. Further down, there are sections for 'Case Information', 'Regulations', 'Proposed draft regulations', and 'Resources'. On the right side of the page, there is a sidebar with links for 'DRP Home', 'Find Answers', 'Contact DRP', and various informational links like 'Agendas & Minutes' and 'FAQs'. At the bottom right, there is a 'Z-NET Find your zoning' button. The footer of the page includes the Internet Explorer logo and a 100% zoom level indicator.



# For More Information

- View materials at the 5<sup>th</sup> District Office:



1113 W Avenue M-14 Suite A  
Palmdale, CA 93551  
(661) 726-3600

- Or at DRP Antelope Valley Field Office:



335-A East Avenue K-6  
Lancaster, CA 93536  
(661) 723-4475



# For More Information

**Call us:** (213) 974-6476

**E-mail us:** [tnc@planning.lacounty.gov](mailto:tnc@planning.lacounty.gov)

**Write us:** Department of Regional Planning  
Community Studies North  
320 W Temple Street  
Los Angeles, CA 90012

<http://planning.lacounty.gov/tnc>



Thank you for attending!

Questions?