Green Accountability Performance (GAP) Committee Meeting

3900 Main Street, Riverside, CA 92501
Mayor’s Ceremonial Room, City Hall, 7th floor

Wednesday, June 25, 2014
4:00 - 5:30 p.m.
Meeting Agenda & Objectives

• Meeting Objectives
  – Explain project and work program
  – Share progress made through the GAP and City’s participation in the WRCOG Subregional CAP
  – Hear your ideas for GHG reducing entrepreneurial strategies and implementation

• Meeting Agenda
  – Presentation and general questions
  – Facilitated discussion
  – Closing remarks/adjournment
    • Talk with project team one-on-one
Project Background

- City received a SCAG Sustainability grant to develop the Riverside Restorative Growthprint
  - Climate Action Plan (CAP)
  - Economic Prosperity Action Plan (EPAP)
- Builds upon existing plans and programs
  - Green Action Plan
  - WRCOG Subregional CAP
  - Seizing our Destiny Report
Project Objectives

- Develop measures to reduce GHG emissions (to 49% below baseline by 2035)
- Inspire entrepreneurial opportunities and job creation
- Facilitate Smart Growth development and stimulate sustainable infrastructure investment
- Develop a tracking tool to monitor progress
- Inform, engage and collaborate with stakeholders
Why Prepare a Climate Action Plan?

• Comply with State regulations and guidelines
• Provides a framework for many things we already do
  – Land use
  – Transportation
  – Utility infrastructure
  – Environmental stewardship
  – Healthy lifestyles
• State law does not require CAPs but does incentivize
Incentives and Benefits of a Climate Action Plan

• CEQA streamlining
• Priority funding
• Local control
• Co-benefits
  – Economic
  – Health
  – Environmental
• Marketing/business attraction
Benefits of an Economic Prosperity Action Plan

EXISTING BUSINESS INITIATIVES

• Develop Green Business Program
• Highlight successes and showcase leadership (award presentations, etc.)
• Build supportive business networks and cultivate affiliations and connections between stakeholders
• Grow existing businesses and services offered leading to job growth

NEW BUSINESS DEVELOPMENT

• Develop incentives to attract new businesses and create demand for relocation to Riverside
• Incubate and foster the growth of clean tech and sustainable businesses
• Create partnership opportunities between the business community and university programs
A Climate Action Plan Does NOT

• Not an Ordinance or Statute – the CAP is a plan, and provides direction to Staff and the Council
• Not a book of penalties for noncompliance; The CAP is not designed to be an enforcement tool
• Not a Green Building Ordinance – a GBO is much more specific
• Not a Generalized “Green Plan”
Work Program

**Climate Action Plan**
*(April-October)*
- Inventory and forecast emissions
- Establish reduction targets
- Identify and evaluate reduction measures
- Develop Climate Action Plan (CAP)

**Economic Prosperity Action Plan**
*(October-March)*
- Identify top 10 entrepreneurial opportunity areas in CAP
- CrowdsOURCE & co-create entrepreneurship ideas
- Identify incentives, establish promotional strategy, crowdsource implementation ideas
- Prepare Economic Prosperity Action Plan (EPAP)

**Implementation Plan**
*(March-June)*
- Develop Implementation Strategy
- Create monitoring & tracking tool
- Prepare environmental clearance
- Monitor results
Communitywide and Municipal Inventories

- Communitywide Inventory
  - All emissions released inside the city limits
  - Residential energy, commercial/industrial energy, transportation, waste, water

- Municipal (Government Operations) Inventory
  - Emissions from municipal operations only
  - Subset of the communitywide inventory
### Emissions Inventory and Forecasts

#### Quick Facts

<table>
<thead>
<tr>
<th></th>
<th>2007 Baseline</th>
<th>2010</th>
<th>2020</th>
<th>2035</th>
</tr>
</thead>
<tbody>
<tr>
<td>Community emissions (MTCO$_2$e/yr)</td>
<td>3,024,066</td>
<td>2,617,540</td>
<td>3,044,055</td>
<td>3,773,835</td>
</tr>
<tr>
<td>% change from baseline</td>
<td></td>
<td>-13.4%</td>
<td>+16.3%</td>
<td>+44.2%</td>
</tr>
<tr>
<td>Municipal emissions (MTCO$_2$e/yr)</td>
<td>1,362,587</td>
<td>943,466</td>
<td>1,054,588</td>
<td>1,252,970</td>
</tr>
<tr>
<td>% change from baseline</td>
<td></td>
<td>-30.8%</td>
<td>+11.8%</td>
<td>+32.8%</td>
</tr>
</tbody>
</table>
Community Emissions Inventory and Forecasts by Sector

- 2007
- 2010
- 2020
- 2035

Solid Waste
Transportation
Commercial/Industrial
Residential
Emissions Reduction Targets

• Align with AB 32 (2020) and SB 375 (2035)
• Align with WRCOG Subregional CAP targets
• Feasible, attainable, measurable targets
• Recommended reduction targets:
  – 15% below 2007 emissions by 2020
  – 49% below 2007 emissions by 2035
### Examples of California Jurisdictions Reduction Targets

<table>
<thead>
<tr>
<th>Jurisdiction</th>
<th>Year of Adoption</th>
<th>GHG Reduction Target</th>
<th>Jurisdiction</th>
<th>Year of Adoption</th>
<th>GHG Reduction Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mountain View</td>
<td>2012</td>
<td>Improve per-SF emissions 15% - 20% below 2005 by 2020</td>
<td>Sunnyvale</td>
<td>Draft</td>
<td>15% below 2008 by 2020</td>
</tr>
<tr>
<td>Newark</td>
<td>2010</td>
<td>5% below 2005 by 2015</td>
<td>Solano County</td>
<td>2011</td>
<td>20% below 2005 by 2020</td>
</tr>
<tr>
<td>Hayward</td>
<td>2009</td>
<td>6% below 2005 by 2013</td>
<td>Union City</td>
<td>2010</td>
<td>20% below 2005 by 2020</td>
</tr>
<tr>
<td>Benicia</td>
<td>2009</td>
<td>10% below 2000 by 2020</td>
<td>Dublin</td>
<td>2010</td>
<td>20% below BAU by 2020</td>
</tr>
<tr>
<td>Marin County</td>
<td>2006</td>
<td>15% below 1990 by 2020</td>
<td>Santa Rosa</td>
<td>2012</td>
<td>25% below 1990 by 2015</td>
</tr>
<tr>
<td>Piedmont</td>
<td>2010</td>
<td>15% below 2005 by 2020</td>
<td>Sonoma County</td>
<td>2008</td>
<td>25% below 1990 by 2015</td>
</tr>
<tr>
<td>Larkspur</td>
<td>2010</td>
<td>15% below 2005 by 2020</td>
<td>Emeryville</td>
<td>2008</td>
<td>25% below 2004 by 2030</td>
</tr>
<tr>
<td>Novato</td>
<td>2011</td>
<td>15% below 2005 by 2020</td>
<td>Fremont</td>
<td>2012</td>
<td>25% below 2005 by 2020</td>
</tr>
<tr>
<td>Ross</td>
<td>2010</td>
<td>15% below 2005 by 2020</td>
<td>Alameda</td>
<td>2008</td>
<td>25% below 2005 by 2020</td>
</tr>
<tr>
<td>San Anselmo</td>
<td>2011</td>
<td>15% below 2005 by 2020</td>
<td>San Leandro</td>
<td>2009</td>
<td>25% below 2005 by 2020</td>
</tr>
<tr>
<td>Menlo Park</td>
<td>2009</td>
<td>15% below 2005 by 2020</td>
<td>San Rafael</td>
<td>2009</td>
<td>25% below 2005 by 2020</td>
</tr>
<tr>
<td>Redwood City</td>
<td>2010</td>
<td>15% below 2005 by 2020</td>
<td>Santa Cruz</td>
<td>2011</td>
<td>30% below 1990 by 2020</td>
</tr>
<tr>
<td>San Mateo</td>
<td>2010</td>
<td>15% below 2005 by 2020</td>
<td>San Carlos</td>
<td>2009</td>
<td>35% below 2005 by 2030</td>
</tr>
<tr>
<td>San Ramon</td>
<td>2010</td>
<td>15% below 2008 by 2020</td>
<td>Martinez</td>
<td>2009</td>
<td>80% below 1990 by 2050</td>
</tr>
<tr>
<td>Vallejo</td>
<td>2012</td>
<td>15% below 2008 by 2020</td>
<td>Berkeley</td>
<td>2009</td>
<td>80% below 2000 by 2050</td>
</tr>
</tbody>
</table>
Developing Emissions Reduction Measures

- Transportation + Land Use
- Energy
- Waste
- Water
- Other

State measures | Regional measures | Local measures

RiversideCa.gov
# Reduction Measures

## Transportation and Land Use

<table>
<thead>
<tr>
<th>State and Regional</th>
<th>Local</th>
<th>New</th>
</tr>
</thead>
<tbody>
<tr>
<td>SR-6 Pavley and Low Carbon Fuel Standard</td>
<td>T-1 Bicycle Infrastructure Improvements</td>
<td>T-19 Bike Share program</td>
</tr>
<tr>
<td>SR-7 Metrolink Expansion</td>
<td>T-2 Bicycle Parking &amp; Amenities</td>
<td>T-20 Car Share Program</td>
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<tr>
<td>SR-8 Express Lanes</td>
<td>T-3 End of Trip Facilities</td>
<td>T-21 Transportation Modal Hierarchy in General Plan</td>
</tr>
<tr>
<td>SR-9 Congestion Pricing</td>
<td>T-4 Promotional Transportation Demand Management</td>
<td>T-22 Public ROW Placemaking Strategy (plaza/parklet)</td>
</tr>
<tr>
<td>SR-10 Telecommuting</td>
<td>T-7 Traffic Signal Coordination</td>
<td>T-23 Green Enterprise Zone</td>
</tr>
<tr>
<td>SR-11 Goods Movement</td>
<td>T-8 Density</td>
<td></td>
</tr>
<tr>
<td>SR-12 E-Vehicle Plan and Infrastructure</td>
<td>T-9 Mixed-Use Development</td>
<td></td>
</tr>
<tr>
<td>T-5 Transit Service Expansion</td>
<td>T-10 Design/Site-Planning</td>
<td></td>
</tr>
<tr>
<td>T-6 Transit Frequency Expansion</td>
<td>T-11 Pedestrian Only Areas</td>
<td></td>
</tr>
<tr>
<td>T-13 High Frequency Transit Service/ (BRT) Implementation</td>
<td>T-12 Limiting Parking Requirements for New Development</td>
<td></td>
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<tr>
<td>T-14 Voluntary Transportation Demand Management</td>
<td></td>
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<tr>
<td>T-15 Accelerated Bike Plan Implementation</td>
<td></td>
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<tr>
<td>T-16 Fixed Guideway Transit (Streetcar)</td>
<td></td>
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<tr>
<td>T-17 Neighborhood Electric Vehicle (NEV) Programs</td>
<td></td>
<td></td>
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<tr>
<td>T-18 Subsidized Transit</td>
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</table>
DISCUSSION FOCUS: Transportation and Land Use

• What are the existing programs or initiatives in this area?
  – Which existing programs are most successful and could be enhanced (prioritize implementation)?

• What are Riverside’s competitive advantages in this area?
  – Identify opportunities and strengths

• What is your vision for the future?
# Reduction Measures

## Energy Efficiency & Renewables

<table>
<thead>
<tr>
<th>State and Regional</th>
<th>Local</th>
<th>New</th>
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</thead>
<tbody>
<tr>
<td>SR-1 Renewable Portfolio Standard (RPS)</td>
<td>E-2 Traffic &amp; Street Light Replacements</td>
<td>E-4 Southern California Edison (SCE) Natural Gas programs</td>
</tr>
<tr>
<td>SR-2 2013 CAL Green Building Code (Title 24)</td>
<td>E-3 Shade Trees</td>
<td>E-5 Commercial Energy Audit and Commissioning Incentives/Requirements</td>
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<tr>
<td>SR-3 WRCOG HERO Financing Program - Residential</td>
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<td>E-6 Renewable Energy Production in Public Right of Ways</td>
</tr>
<tr>
<td>SR-4 WRCOG HERO Financing Program - Commercial</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SR-5 Southern California Edison/Utility Programs</td>
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</tbody>
</table>

![Wind turbines](wind_turbines.jpg) ![Solar panels](solar_panels.jpg)
DISCUSSION FOCUS: Energy

- What are the existing programs or initiatives in this area?
  - Which existing programs are most successful and could be enhanced (prioritize implementation)?

- What are Riverside’s competitive advantages in this area?
  - Identify opportunities and strengths

- What is your vision for the future?
# Reduction Measures

## Water, Waste & Green Infrastructure

<table>
<thead>
<tr>
<th>State and Regional</th>
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<tbody>
<tr>
<td>SR-14 SB-7X-7</td>
<td>SW-1</td>
<td>A-1</td>
</tr>
<tr>
<td></td>
<td>Yard Waste Collection</td>
<td>Farm-to-Fork programs</td>
</tr>
<tr>
<td>SR-13 Construction &amp; Demolition (C&amp;D) Requirements</td>
<td>SW-2</td>
<td>A-2</td>
</tr>
<tr>
<td></td>
<td>Food Scrap and Paper Diversion</td>
<td>Community Gardening/Urban Agriculture</td>
</tr>
</tbody>
</table>

- A-3 Ag Preservation TDR Program

[Image of recycling and waste management]
DISCUSSION FOCUS: Water, Waste & Green Infrastructure

• What are the existing programs or initiatives in this area?
  – Which existing programs are most successful and could be enhanced (prioritize implementation)?

• What are Riverside’s competitive advantages in this area?
  – Identify opportunities and strengths

• What is your vision for the future?
Public Outreach and Engagement

- GAP to serve as CAP Advisory Committee
- Riverside Chamber of Commerce Economic Development Council
- Influencer workshops
- Integrated approach
  - MindMixer site
  - Community Events
    - SmartCode Specific Plan
    - Streetcar Feasibility Study
    - WRCOG Subregional CAP
Next Steps

**July-August**
- Community and Influencer Outreach
- Educate & Inform
- Gather Input & Ideas

**September**
- Draft CAP
- GAP Committee Meeting
- Gather Feedback

**October-December**
- EPAP Influencer Workshops
- Crowdsources Ideas
- Continued Outreach
Thank You

If you have an idea, question, or concern after this meeting, contact us!

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(951) 826-5219