

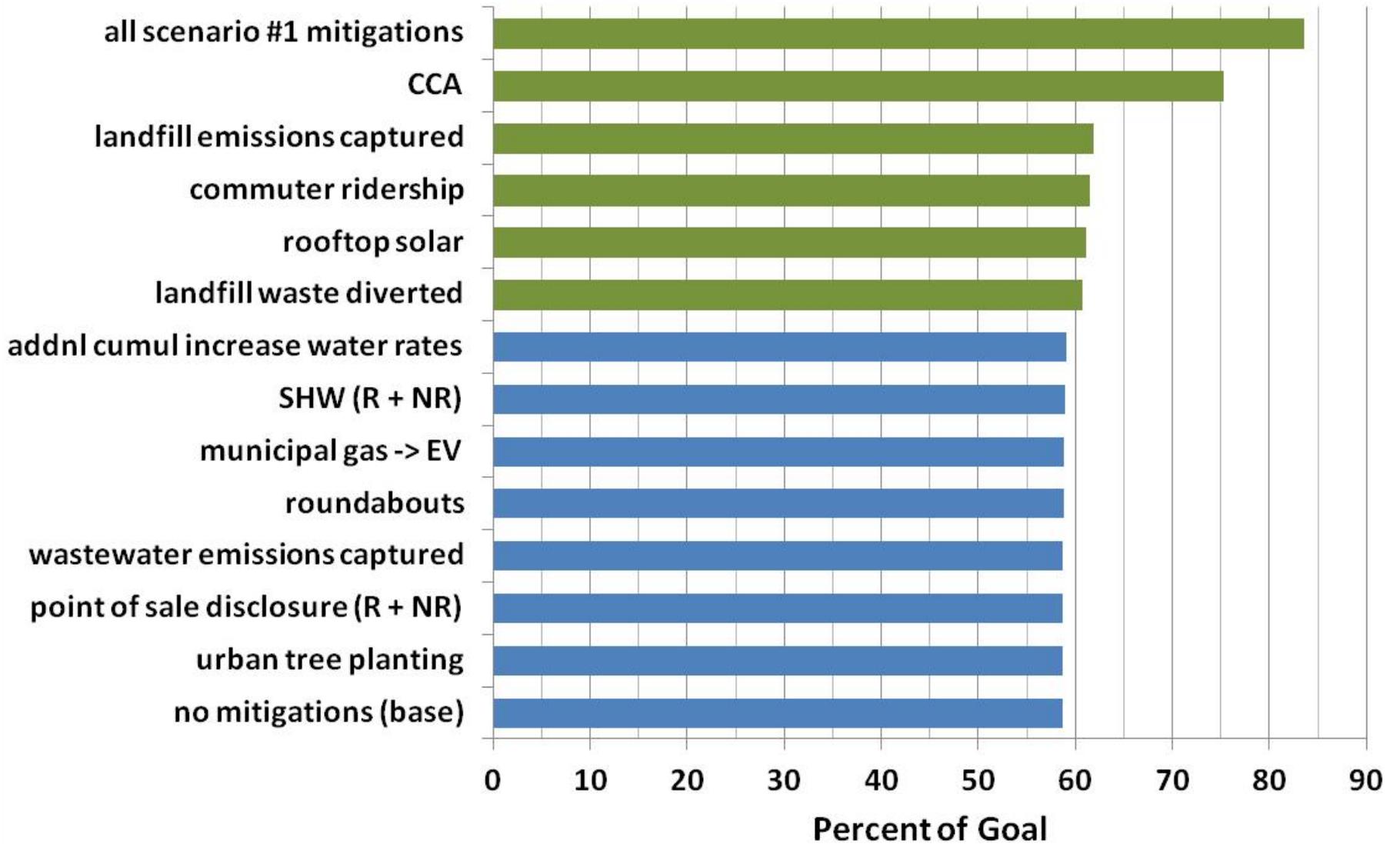
# **Scenario #1**

**(CAC, 6/15/2016)**

Solana Beach Climate Action Commission

7/20/2016

## 2035 Scenario #1: Contribution of Individual Mitigation Measures



# Electric & Natural Gas (2035)

<b>Community Choice Aggregation</b>	
% MORE than required by RPS	<b>50%</b>
% of customers participating (after solar)	<b>90%</b>
<b>Res &amp; Non-Res distributed solar</b>	
PV installed (MW)	<b>7.63 MW</b>
<b>Point of Sale Energy Disclosure</b>	
Energy reduction (%/unit)	<b>20%</b>
% of units remodelled/sold annually	<b>4%</b>
<b>Res &amp; Non-Res SHW</b>	
Systems installed	<b>10%</b>
% of new homes	<b>10%</b>
% of new construction	<b>10%</b>

# Transportation (2035)

<b>Electric Vehicles</b>	
<b>% of VMT</b>	<b>9%</b>
<b>Mass Transit</b>	
<b>Commuter ridership</b>	<b>50%</b>
<b>Roundabouts</b>	
<b>Number installed</b>	<b>2</b>

# Waste, Wastewater & Water (2035)

<b>Solid Waste</b>	
Landfill waste diverted (%)	80%
Landfill emissions captured (%)	85%
<b>Wastewater</b>	
Wastewater emissions capture rate	100%
<b>New Billing Structure</b>	
Additional cumul increase in water rates	50%

# Land Use (2035)

<b>Urban Tree Planting Program</b>	
% urban tree canopy cover	<b>25%</b>
Area affected (acres)	<b>100</b>
<b>Wastewater</b>	
Wastewater emissions capture rate	<b>100%</b>

# Additional Measures

- Measures still under evaluation:
  - Convert municipal vehicles to zero or low emission - how many miles (fuel used) per year
  - City’s “CATS” evaluation
  - City’s Municipal Energy Strategy and Implementation Plan (Chevron ESCO Project)
  - Urban tree planting costs (working with SFID)
- Measures to possibly consider:
  - Purchasing Renewable Energy Credits (RECs)
  - Purchasing Carbon Offsets