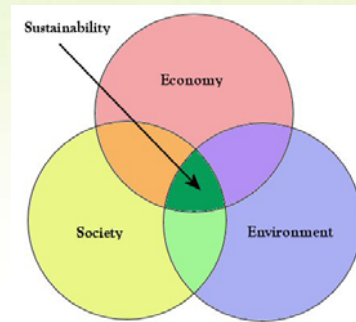


## What Sustainability Means To Us

- Meet the needs of the present without compromising the ability of future generations to meet their own needs
- Balances economic, social, & environmental components
- The capacity to endure (and thrive)



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## Setting The Groundwork

- “Going Green” a priority for Mayor & City Council
- Sustainable City Commission created to advise City Council on environmental issues & create a Sustainable City Action Plan
- Office of Sustainability created to develop & implement model sustainability programs & facilitate comprehensive, citywide sustainability projects & policies



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## Sustainable City Action Plan

- Helps to guide operational, policy & financial decisions
- Comprehensive, citywide & strategically incorporates multiple interconnected aspects
- Solid framework to achieve a sustainable city
- Intended to be challenging & realistic
- Inspires us to strive toward future goals



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## Focus Areas

- Buildings & Neighborhoods
- Energy
- Green Economy & Lifestyle
- Transportation
- Urban Nature
- Waste Reduction
- Water



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## Focus Areas

- Overview
- History of Leadership
- Initiatives
  - Goals: Quantifiable, measurable
  - Actions: Specific action items
  - Statistics: Baseline information
  - Visual: Graph, chart, diagram to demonstrate concepts



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## Long Beach Sustainable City Action Plan Initiatives

### Buildings and Neighborhoods



Accelerate the use of green building techniques in new development, renovations and retrofits to improve building efficiency and health

Enhance and enliven corridors and neighborhoods with green infrastructure and public spaces

Enhance our community to encourage people to get out of their cars and into their neighborhoods

### Energy



Shrink Long Beach's carbon footprint by reducing greenhouse gas emissions

Ensure all of the City of Long Beach's operational needs are met through energy efficiency, conservation and renewable energy sources

Reduce electricity and natural gas consumption of the Long Beach community

### Green Economy & Lifestyle



Establish Long Beach as the leading California city for green business and green job growth

Promote individual action that encourages active and green lifestyles, which supports a green economy

### Transportation



Reduce emissions and improve air quality by moving toward more fuel efficient and alternative fuel vehicles

Increase public transit ridership by expanding access, infrastructure and convenience

### Transportation



Provide an environment and culture where walking and biking are safe, viable and preferred modes of transportation in the city

Implement the Clean Air Action Plan (CAAP), designed to significantly reduce port-related air emissions over a 5-year plan, through a partnership with the Harbor Department and its tenants

### Urban Nature



Create a more balanced network of open spaces through acquisition, restoration and greenway linkages, consistent with the 2002 Open Space and Recreation Element of the General Plan

Promote biodiversity citywide by encouraging the wide scale use of native or edible landscapes

Increase awareness and promote the natural environment as a place to play, learn and be active

### Waste Reduction



Increase diversion by reducing waste and increasing recycling and reuse

Increase awareness and promote the concepts of reduce, reuse, and recycle

Utilize recyclable materials as a raw materials source for industrial development to enhance the recycled-materials market in Long Beach


















### Water



Ensure a sustainable water supply through conservation and reduced dependence on imported water

Implement low impact development strategies to reduce runoff and pollution at the source and increase the beneficial use of rainwater

## SUSTAINABLE CITY ACTION PLAN GOALS

2011	2016	2020
 <ul style="list-style-type: none"> <li>-Reduce future port-related emissions by 47% reduction in DPM, 45% reduction in NOx, and 52% reduction in SOx from OGV, CHE &amp; HDV source categories by 2011</li> </ul>	 <ul style="list-style-type: none"> <li>-Increase number of students participating in TREC to 2000 per year</li> </ul>  <ul style="list-style-type: none"> <li>-Increase public transit ridership by 25%</li> <li>-100% of taxi cab fleets are alternative fuel and/or low emission</li> <li>-Increase bike ridership from 1% to 10%</li> </ul>	 <ul style="list-style-type: none"> <li>-50% of Long Beach residents work in Long Beach</li> <li>-At least 60,000 residents in the downtown</li> <li>-At least 30% of Long Beach residents use alternative transportation to get to work</li> <li>-Plant at least 10,000 new trees in Long Beach</li> <li>-100% of suitable alley and parking lot projects use permeable pavement</li> <li>-100% of major city facilities are LEED certified (or equivalent)</li> <li>-At least 5 million square feet of privately developed LEED certified (or equivalent) green buildings</li> </ul>
2012	Other	
 <ul style="list-style-type: none"> <li>-100% of city-owned vacant lots are utilized with interim green uses</li> <li>-Create at least 6 new community gardens</li> <li>-Double the number of LEED accredited professionals (or equivalent) in the City and community</li> </ul>  <ul style="list-style-type: none"> <li>-Increase city employee average vehicle ridership to 1.5</li> </ul>  <ul style="list-style-type: none"> <li>-Through a pilot program, facilitate the installation of rain catchment systems at 5 City facilities</li> </ul>  <ul style="list-style-type: none"> <li>-Identify and develop at least 2,000 green collar jobs in Long Beach</li> <li>-Enroll 100 green businesses in the Long Beach Green Business Certification Program</li> <li>-Target half of the business grants/loans for green business development</li> </ul>	 <ul style="list-style-type: none"> <li>-Reduce diesel particulate matter from all port-related sources by 1,200 tons per year</li> <li>-Reduce port-related nitrous oxide emissions by 12,000 tons per year</li> </ul>  <ul style="list-style-type: none"> <li>-Annual reduction in average pounds of solid waste generated per person per day</li> </ul>  <ul style="list-style-type: none"> <li>-Annual increase in in citywide green events &amp; youth trained in the Bioneer Academy</li> </ul>	 <ul style="list-style-type: none"> <li>-Increase City green spending to 100%</li> </ul>  <ul style="list-style-type: none"> <li>-Reduce greenhouse gas emissions from City facilities by 15%</li> <li>-Reduce electricity use in City operations by 25%</li> <li>-Reduce natural gas use in City operations by 15%</li> <li>-Facilitate development of 2 Megawatts of solar on city facilities</li> <li>-Reduce community electricity use by 15%</li> <li>-Reduce community natural gas use by 10 %</li> <li>-Facilitate development of 8 Megawatts of solar within the community</li> </ul>  <ul style="list-style-type: none"> <li>-Increase average fuel efficiency of gas-powered City fleet to 35 mpg</li> <li>-100% of the City fleet is alternative fuel and/or low emission</li> <li>-Create a system of at least 200 miles of interconnected bike routes</li> <li>-Reduce vehicle emissions by 30%</li> </ul>  <ul style="list-style-type: none"> <li>-Create 8 acres of open space per 1,000 residents</li> <li>-Create 100 miles of green linkages</li> <li>-Establish a native landscape demonstration in parks 1 acre or larger</li> <li>-Establish a community garden in every park 5 acres or larger</li> <li>-Convert 1,200 front yards to native or edible landscapes by 2020</li> </ul>  <ul style="list-style-type: none"> <li>-Attract and retain of total of 20 RMDZ manufacturing companies</li> </ul>  <ul style="list-style-type: none"> <li>-Reduce per capita use of potable water, exceeding the State mandate to achieve a 20% demand reduction in per capita water use</li> </ul>

## Community Outreach

- 20 Community Meetings
- 80 Online Survey Responses
- Spanish Translation
- Internal Green Team Meetings
- Meetings with Other City Commissions
- Presentations to Other Agencies
- Monthly Commission Meetings
- Commissioner Presentations
- City Council Briefings



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## Desired Outcomes

- Beacon & roadmap for the type of city we want to become
- Tool for guiding future operational & policy decisions
- Standard for innovative citywide partnerships
- Competitive advantage for grants & partnerships
- Well-positioned for meeting current & future Regional/State/Federal requirements



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## City of Long Beach Office of Sustainability

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