

SCE Sustainability – EH&S Issues

California Industrial Hygiene Council

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SCE Sustainable Chemistry Initiative

1. SCE Sustainability Vision
2. SCE Environmental Programs
 - a) Water & Waste Management
 - b) Air Quality
 - i. VOC Reduction
3. SCE Injury and Illness Prevention Plan
 - a) Hazard Communication Program
 - b) Lead & Asbestos Management
 - c) SCE Chemical Management Team
 - i. Green Chemistry Workgroup

What Do We Mean By “Sustainable” Operations?



- ✓ SCE provides safe, reliable and low-cost electricity today without compromising the ability of future generations to meet their own needs for electricity.
- ✓ Sustainability is fundamentally about resource efficiency while protecting the environment and enhancing options for others, in this and the next generation

sustainability involves “meeting the needs of the present without compromising the ability of future generations to meet their own needs.”¹

For the business enterprise, *sustainable development* means “adopting business strategies and activities that meet the needs of the enterprise and its stakeholders today while protecting, sustaining, and enhancing the human and natural resources that will be needed in the future.”²

¹ U.N. World Commission on Environment and Development’s 1987 report, “Our Common Future”

² Business Strategies for Sustainability Development: Leadership and Accountability

Sustainable Internal Operations

1. Service Center and Office Facilities (Electricity and Water Usage Efficiency)
2. SCE Fleet, Material Transport & Logistics Efficiency
3. Employee Transportation Efficiency
4. Green Chemistry and Material Replacement
5. Material Re-use (Salvage) & Recycle Efficiency
6. Waste Management
7. Supply-Chain Partnerships on Resource Efficiency
8. Habitat Protection & Land Stewardship
9. Operations Mitigation and Remediation

California's AB32 Sectors

Energy



Transportation



Water



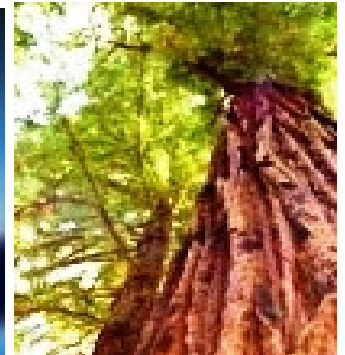
Waste & Recycling



High GHG Potential



Forest



Local Initiatives & Land Use



Industry & Manufacturing



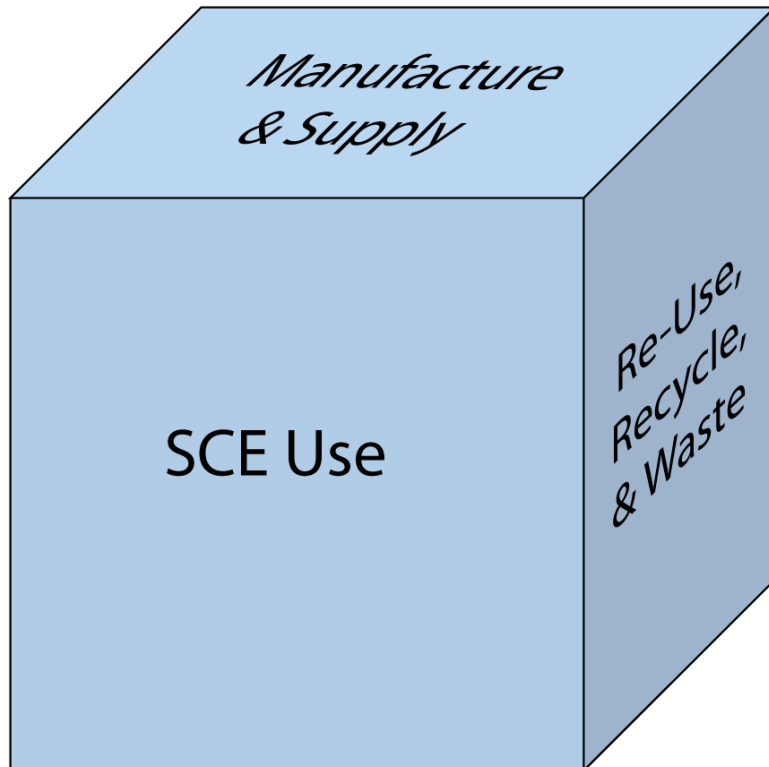
Agriculture



Oil & Refining



SCE Supply Chain Sustainability: Life-Cycle Cost Assessment & Priorities



Traditional Value Expectations

1. Quality
2. Quantity
3. Schedule
4. Cost

Current Value Expectations

**Sustainable
Operations**

1. Quality
2. Quantity
3. Schedule
4. Cost
5. Safety & Public Safety
6. Environment
7. Environment and Resource Efficiency
8. Diverse Business Enterprise

New Technologies

1. Wind Power
2. Solar Power
 - a) PV
 - b) Thermal-electric
3. Geothermal
4. Battery Storage
5. Electro-transportation

SCE Environmental Programs

Life-cycle Assessments

Environmental Program Implementation

SCE Injury and Illness Prevention Plan

1. Hazard Communication Program
2. Lead & Asbestos Management
3. SCE Chemical Management Team
 - a) Green Chemistry Workgroup

High Hazard Potential Chemicals and Materials

1. Identification and Surveillance
2. Material Replacement
3. Reduce Use or Volumes
4. Reuse
5. Recycle
6. Waste Management

Future Fundamentals

1. Hazard Recognition
2. IIPP Program Implementation
3. Safety and Health Culture
 - a) Employee Training
 - b) STOP Work Initiatives
4. Hazard Communications Program

Working Green

Motivate, Encourage & Permit SCE Personnel:

- Business Meetings:
 - ✓ WebEx
 - ✓ Driving Your Vehicle
 - ✓ Airlines & Hotels
- Company Events & Gifts
- Chemical & Material Use
- Office Supplies
- Paper Use
- Office Energy Efficiency
- Material Replacement, Reuse, and Recycle