

LARC

Los Angeles Regional Collaborative
for Climate Action and Sustainability

2010-2011 ANNUAL REPORT

Communication, Planning, Resources, Engagement
for Regional Sustainability and Climate Action

INTRODUCTION

In the Summer of 2008, leaders from across Greater Los Angeles came together to build a network for coordination, a forum for shared engagement, and a collaboration for action.

Recognizing that climate action requires working across cities and agencies and with partners from multiple institutions – governments, businesses, universities, and non-profits – these leaders launched the Los Angeles Regional Collaborative for Climate Action and Sustainability.

The purpose of the Collaborative is to share information, foster partnerships, and develop system-wide strategies to address climate change and promote a green economy through sustainable communities. LARC accomplishes its goals through four actions:

- ◆ Coordination
- ◆ Planning
- ◆ Resources
- ◆ Engagement

LARC has grown in its capacity and its effectiveness over the last three years. This first

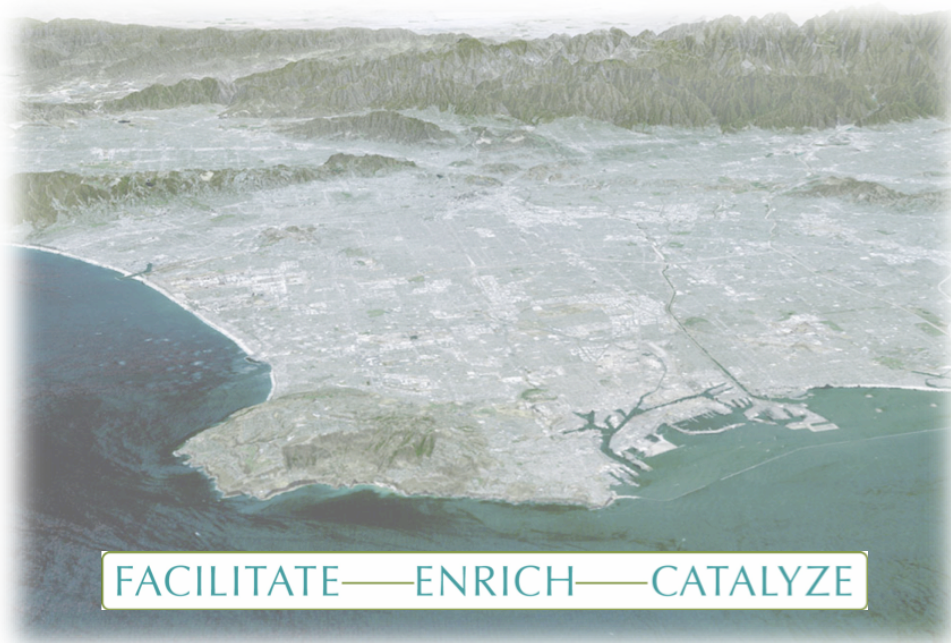
Annual Report documents that growth and highlights the last year's successes.

In August of 2010, LARC was given a generous gift that allowed the hiring of a part time Managing Director as well as a development consultant. LARC is grateful to this anonymous benefactor for supporting LARC.

By collaborating through LARC, the County and City of Los Angeles were each awarded federal stimulus funding for region-wide climate action planning. These grants are being used for the benefit of the entire region to measure total greenhouse gas emissions and to perform cutting-edge climate simulations that will inform regional adaptation planning.

LARC continues to grow its membership and programs. As *the* forum for regional coordination, LARC is preparing a regional climate action and sustainability plan, hosts networking opportunities and working groups, and coordinates grants for climate action in Greater L.A.

We look forward to working with you to advance climate action and sustainability in our region.



CLIMATE ACTION & SUSTAINABILITY

The purpose of the Collaborative is to share information, foster partnerships, and develop system-wide strategies to address climate change and promote a green economy through sustainable communities. LARC recognizes that moving the region forward requires acting to communicate effectively, to engage partners, to provide a foundation of science and research, and to create a collaborative plan for the future.

By actively knitting together the region, LARC enables climate action, a green economy, and sustainable communities.

Regional Climate Action & Sustainability Plan

Regional action is built upon a foundation of expertise and knowledge. Building upon this foundation, LARC is spearheading an ambitious Regional Climate Action and Sustainability Plan that incorporates the best science, coordinated strategies, and effective recommendations to help Greater Los Angeles achieve greater resiliency and sustainability.

Called the *Blueprint for Our Metropolis*, this Plan will address a suite of

regional sustainability issues – from transportation to greenhouse gases, from ecological impacts to urban water use.

The regional Blueprint will:

1. Provide strategies to *mitigate* the emission of climate change-causing greenhouse gases.

2. Assess the potential impacts of climate change and outline *adaptation* measures to cope.
3. Outline a path towards *sustainable economic growth* for communities throughout Greater Los Angeles.

The Blueprint will be an integrated guide for municipalities, agencies, and organizations to identify best-practices, model ordinances, and effective strategies. Importantly, this framework promotes the harmonization of strategies across the region, so that communities can pursue their own best interest and apply their own most effective strategies. But the sum of these parts will be a more sustainable, more livable, and greener L.A.

GHG Emissions

LARC is guiding a community-wide inventory of greenhouse gas emissions for the whole of Los Angeles County. Under the direction of the L.A. County Office of Sustainability, this GHG emissions inventory will produce the first measurement of how many GHGs L.A. County is emitting.

More importantly, this inventory will serve as the basis for shaping regional strategies for reducing the region's carbon footprint. By

knowing where and when governments, residents, and businesses in L.A. County are

emitting GHGs, LARC will be able to coordinate an effective strategy for reducing emissions while improving efficiency and – critically – spurring economic growth and green jobs.

The GHG inventory will serve as a resource for all jurisdictions within L.A. County and establish a set of standard methods for assessing a city or agency's carbon footprint.

BLUEPRINT FOR OUR METROPOLIS

The Los Angeles Regional Climate Action and Sustainability Plan

By working with jurisdictions that have already completed their inventories, such as the South Bay Cities COG and L.A. City, LARC will ensure the methods used to compute GHG emissions are accurate, fair, and comparable.

The GHG inventory is using two advanced methods. L.A. County has contracted with ICF International to perform an in-depth, community-wide emissions inventory in consultation with a LARC oversight committee made up of regional experts and government officials. The County has also contracted with the UC Davis Urban Land Use and Transportation Center to provide an advanced, economic input-output model based assessment of energy use and GHG emissions for the entire built environment of L.A. County. The results will be groundbreaking metrics of GHG emissions for a metropolitan region.

The GHG inventory is funded by a \$400,000 Energy Efficiency and Conservation Block Grant (EECBG) from the U.S. Department of Energy to the County of Los Angeles. The County has committed these EECBG funds through LARC for the benefit of all cities and

citizens in the county.

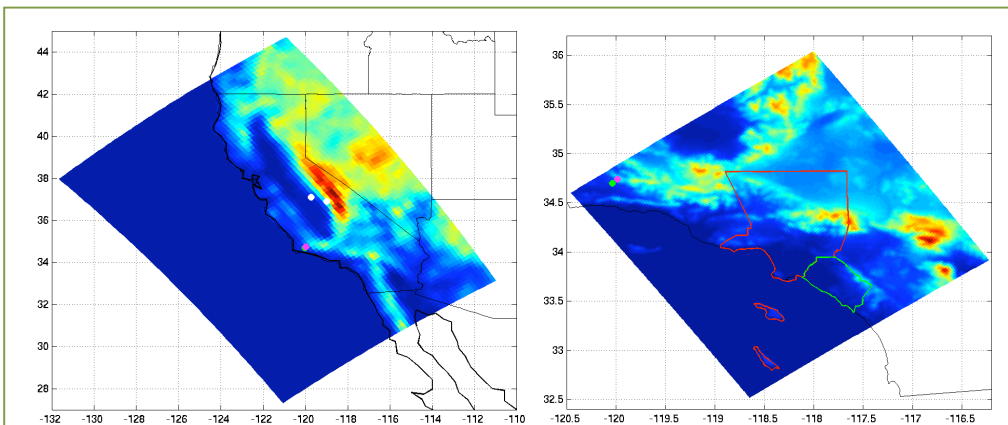
Future Climate Simulations

Global climate change will have profoundly *local* impacts. It is critical to prepare for the impacts we will face in Southern California. The first step is to identify what climate change is likely to do to L.A.

LARC is sponsoring a highly advanced simulation of future climate in Greater Los Angeles. This research is based on the best science and will result in a suite of scenarios for what climate will look like in 30-50 years.

Global climate models are typically simulated at a scale so large (100 km² for each location) that it is impossible to even make out the San Gabriel Mountains, much less to model temperature differences between Santa Monica and San Fernando. The LARC climate simulations are being done at resolutions higher than has ever been used for metropolitan adaptation planning. At a resolution of 2km, these models will produce a picture of the future climate that can resolve geographical differences in precipitation, wind, temperature, clouds, etc. in a locally-relevant way.

Led by Prof. Alex Hall of UCLA's Department of Atmospheric Sciences, the research team is well underway in producing one of the most finely grained and accurate simulations of future climate in the world. Prof. Hall – a lead author for the Nobel Prize-winning Intergovernmental Panel on Climate



Topographical maps of Southern California showing how model resolution can impact our ability to forecast local changes. On the left is the topography run at 18km resolution, note that the mountains of Southern California are only faintly visible. On the right is the highest resolution domain being run for LARC, at 2km resolution. These climate models are showing climate change differences over scales that local planners can actually use.

Change's Fifth Assessment – is simulating the climate for all of Los Angeles County as well as the Southern Sierra Nevada mountains (source of most of our water). Adapting to climate change in Southern California will be based on the most accurate and advanced science in the world.

The climate change simulation research is funded by a \$480,000 Energy Efficiency and Conservation Block Grant (EECBG) from the U.S. Department of Energy to the City of Los Angeles. The City has committed these EECBG funds through LARC for the benefit of all cities and people in the county.

Adaptation to Impacts

The first step in planning for climate change adaptation is to have a reliable picture of what might change in the future. The future climate simulations described above will provide the most up-to-date and accurate assessment of possible impacts possible.

Through the *Blueprint*, LARC will use these data to plan specific adaptation strategies, to provide recommendations to cities, and to coordinate regional adaptation measures.

This information will also be available for planners and communities throughout California. Land use managers, ecologists, transportation planners, coastal managers, sanitation districts, and water districts are just some of the stakeholders needing this research for adaptation planning. LARC is leading the charge by bringing together cities and agencies from across the region, using the best science in the world, in order to plan together for the impacts our communities will face.

Regional Sustainability

The purpose of LARC – to share information, foster partnerships, and develop system-wide strategies to address climate change and

promote a green economy through sustainable communities – truly requires broad action. LARC recognizes that to promote climate action requires a much broader sustainability agenda, one that results in livable communities and economic vitality as well as environmental protection.

The climate action efforts of LARC are thus a part of a concerted sustainability plan. Even the premiere effort of LARC – the *Blueprint for Our Metropolis* – recognizes that a successful climate action plan is really a successful *sustainability plan*.

Therefore, LARC is working to bring true sustainability with these characteristics:

- ◆ Broad community support
- ◆ Education
- ◆ Coordination
- ◆ Aspirational vision
- ◆ Healthy communities
- ◆ Vibrant industries and employment
- ◆ Vibrant physical space that meets our needs for energy, mobility, employment, and civic life.

Though no two communities will have the same sustainability strategies, we have much to learn from each other. Through coordination, engagement, research, and planning, LARC will lead the region towards sustainability that works for every community.

PUTTING SCIENCE INTO ACTION

Good science and information resources are critical to effective sustainability planning. LARC thus serves as a regional convener of critical research and a clearinghouse for information to help stakeholders act wisely and effectively. The following products are examples of how LARC is putting science into action.

Landscape Report

Greater Los Angeles is a global leader in sustainability. But the size and diversity of our region often make it difficult to know all of the actions that are occurring. From protecting open space, to installing solar panels, to reducing landfill waste, to building electric vehicles, L.A. is leading the country on many climate action and sustainability fronts.

In order to gain a region-wide perspective on all of these activities, LARC commissioned a “Regional Landscape Review Of Climate Programs & Policies.” This Landscape Report provided a comprehensive inventory of climate related policies, programs and activities taking place in the Los Angeles region. Adi Liberman & Associates completed this Report in August of 2010. The result is a remarkable picture of one of the greenest metropolises in the world. It is also a readable document for use by local governments and organizations to implement even more actions to green our communities.

The Landscape Report is available on the LARC website at laregionalcollaborative.org/reports/.

Critical Research

Good planning is based on good research. And L.A. is blessed with some of the best research institutions in the world. LARC has been actively collaborating with many of these institutions – including LARC members USC and UCLA – to identify and conduct research, host events, and strategize on regional issues.

The following research projects are efforts that LARC is intimately involved in, giving Greater Los Angeles a huge advantage in wise sustainability planning. LARC – housed at UCLA’s Institute of the Environment and Sustainability – is built to interface with

researchers and scientists. Please contact the Managing Director (paulbunje@ucla.edu) if you are interested in doing research with or for LARC.

Urban Metabolism

Researchers at UCLA’s Institute of the Environment and Sustainability have developed a conceptual framework – called *urban metabolism* – for capturing the patterns and types of energy flows that sustain communities and the waste streams created by the energy use.

Urban metabolism analyses will enable decision-makers to better understand the causes and effects of energy consumption. With this knowledge, decision-makers can determine how best to target energy use reductions, reduce consumption and its negative impacts, including greenhouse gas emissions, poor air quality, and economic costs.

The first step is to conduct integrated energy research to precisely quantify energy use in the different communities of the state, the waste streams that result, and the different social, political, economic and demographic conditions creating different energy profiles.

This research, led by Dr. Stephanie Pincetl of the UCLA Center for Sustainable Urban Systems, is being conducted in direct consultation with LARC. One large project, performed in collaboration with researchers from UC Berkeley and UC Davis, is set to establish a baseline of energy use for all of Los Angeles County. Communicating this research with and through LARC will ensure that the information is meaningful for decision makers.

For more information on the *urban metabolism* research projects, please visit www.environment.ucla.edu/ucpe/research/.

Life Cycle Assessment of Transit

UCLA's Dr. Stephanie Pincetl is also leading a noteworthy project, sponsored by the California Energy Commission, to apply the urban metabolism framework to the energy embedded in transit systems.

This research will develop a methodology to assess the life-cycle energy impacts of changes to urban and regional transportation systems that includes not only fuels but also the infrastructure of transportation systems. This project will demonstrate how embedded energy costs of transportation systems can be determined so they can inform regulations and policies aimed to reduce GHGs and energy use. In addition, this methodology will be used to develop a preliminary life-cycle calculator tool to estimate the life-cycle consequences of transportation mode shares that result from varying policy choices.

This project is drawing on expertise from UCLA, UC Berkeley, and Arizona State University. The research team is analyzing transportation systems in Los Angeles County for their life-cycle energy impacts. Through reports and advice from LARC and other regional stakeholders (particularly L.A. County Metro), this research will clarify how transit investments truly affect energy and sustainability.

Adaptation Needs Survey

USC Sea Grant, a recently joined Member of LARC, is leading a very important state-wide survey on decision makers' needs for coastal adaptation planning.

The intent of this survey is to understand the needs of communities along the California coast to prepare for climate change impacts to their coastlines. A number of government, non-government and academic institutions across California have partnered to develop and administer this survey. Results from this study will enable the participating organizations to develop programs to increase access to climate change information and help build the technical capacity among coastal

professionals to incorporate it into planning, management and implementation. The results of this survey will also assist the partner organizations in developing educational and training programs that meet the needs of coastal professionals in California.

LARC is pleased to support USC Sea Grant in these efforts and to ensure that both the methods and the results are integrated into regional planning efforts to adapt to the impacts of climate change.



Metro's Tim Papandreou addresses the Collaborative

Student Research

LARC has had the good fortune to receive substantial research support from student interns and undergraduates. These students, representing some of the brightest young minds in California, have helped to provide critical intelligence for regional sustainability efforts.

The results of these studies, described below are available on the LARC website at laregionalcollaborative.org/reports/.

International Climate Action Plans

A group of eight incoming Freshman at UCLA analyzed the content and scope of climate action plans from cities around the globe. This database is a treasure trove of information that is informing the production of LARC's own regional climate action and sustainability plan. By using the best strategies from around the world, this metropolis of almost 10 million people will be able to craft a comprehensive and meaningful blueprint for the future.

Comparing Climate Action Plans

Katie Pashalides and Sarah Mier, two undergraduate researchers at the UCLA Center for Sustainable Urban Systems, compared the well-known climate action plans of Chicago and New York City. The results of their analysis are guiding the production of LARC's climate action and sustainability plan.

Funding for Climate Action Plans

How do cities or regions pay for the research and production of their climate action plans? These are typically very detailed documents with substantial effort put into their formulation, writing, and implementation.

Ryan Mullen, a LARC Research Intern and student at UCLA, completed a detailed analysis of the ways in which different cities have funded their climate action plans. He found that most cities used primarily municipal funds to write their plans. But even more importantly, Ryan discovered that cities that raised private foundation funding produced better plans.

Put simply, high levels of private funding are associated with higher-quality climate action plans. This finding has spurred LARC into

seeking private funding to produce its own very ambitious regional climate action and sustainability plan.

Green Programs in Southern California

Southern Californians know that there is a huge amount of effort to make this region more sustainable. But knowing what is going on can often be a challenge in our large and spread out metropolis. This is why LARC enlisted the help of Sarah Hadburg, a junior at UCLA, to compile a thorough survey of the reports, programs, and actions that are happening in Southern California.

What Sarah's database shows is that cities, counties, agencies, universities, non-profits, and other organizations in Southern California

are doing a tremendous amount of work on sustainability. It demonstrates conclusively that this is indeed one of the greenest metropolitan regions in the U.S.

The green actions database is currently being organized and put on the LARC website. It is meant

to serve as the regional clearinghouse for reports, plans, and other documents on climate action and sustainability. If you have documents that should be included, please email to info@laregionalcollaborative.org.



LARC Vision Meeting

ENGAGING THE REGION IN COLLABORATION

Communicating is often overlooked in climate or sustainability action. LARC recognizes that without ongoing outreach, dialogue, and communication, the programs and plans we put in place will fail to produce the transformative sustainability we aspire to.

LARC therefore identified facilitating communication as one of its core purposes. Through the meetings, events, and media described below, we hope to keep the region informed. If you have any ideas on how to improve regional communication, please email us at info@laregionalcollaborative.org.

Quarterly Meetings

LARC Quarterly Meetings are the regular public forum for regional leaders to gather, learn, and share with each other. Each Quarterly Meeting is hosted by a LARC Member and attracts many of the region's leaders in sustainability.

In addition to providing a unique opportunity to update partners on regional efforts, each Quarterly Meeting focuses on an issue of critical regional importance.

Presentation slides and the agendas for each Quarterly Meeting are available on the website at laregionalcollaborative.org/meetings/.

Spring 2010 — Transit Oriented Design

Hosted by the L.A. County Metropolitan Transportation Authority (Metro), this Quarterly Meeting brought in a huge number of developers, agencies, and community leaders to discuss and strategize about the techniques, technologies, and plans for producing transit oriented communities around L.A.'s growing rail and bus network.

Winter 2010 — Electric Vehicles

As the metropolitan area with the largest market for electric vehicles, L.A. is poised to lead the world in rolling out these new technologies. This

Quarterly meeting, hosted by Metro, kept the dialogue moving around what EVs are available, how to install chargers, how EVs are integrated into utility grids, and how to plan for an electric transportation future.

Spring 2011 — GHG Inventories

An extremely important event, this Quarterly Meeting delved into the world of greenhouse gas protocols, inventories, and assessments. Co-hosted by the Green L.A. Coalition and ICLEI-Local Governments for Sustainability, this Meeting was critical to understanding the jargon and methods around measuring greenhouse gas emissions.

Fall 2011 — Energy Programs

On October 12th, 2011, LARC will be showcasing energy programs for local governments. The County of Los Angeles is leading regional and state-wide efforts to improve energy efficiency and roll out renewable energy technologies. As the host of this Quarterly Meeting, the County will lead a rich suite of discussions that will prove crucial for local and regional alternative energy planning.

Events

LARC sponsors or co-sponsors events of regional importance to sustainability. These are opportunities to share knowledge and dig deep into critical issues such as water, renewable energy, and transit.

Energy and Sustainability Symposium

On September 1, 2011, LARC hosted an all-day forum exploring the opportunities and challenges for public-



LARC Energy and Sustainability Symposium, sponsored by Johnson Controls and GE

private partnerships to enhance energy investment in Southern California. With federal stimulus funding running out, investment in energy efficiency and renewable power must come from diverse new sources. Panelists and participants came from throughout the public and private sectors to identify opportunities and strategies for innovative partnerships.

Primary sponsorship for the event came from Johnson Controls, Inc. and GE. These sponsors, along with co-hosts City of L.A., County of L.A., and the UCLA Center for Climate Change Solutions produced a unique and powerful combination of leaders to discuss next steps in creating powerful partnerships for clean energy investment.

Steering Committee Meetings

Steering Committee Meetings are the business meetings of LARC and are not open to the public. Guests help inform the Steering Committee and offer an opportunity for intimate discussion of critical issues.

Over the last year, the Steering Committee has dialogued with many important stakeholders. More information, including presentations from these stakeholders, is available at laregionalcollaborative.org/meetings/.

- ◆ California Attorney General's Office
- ◆ Clinton Climate Initiative
- ◆ AridLands Institute
- ◆ Buro Happold
- ◆ Northrop Grumman
- ◆ UCLA Program on Local Government Climate Action Policies
- ◆ City of Santa Clarita
- ◆ Los Angeles Community Redevelopment Agency
- ◆ Los Angeles County Department of Public Health
- ◆ Green 21 – Sustainability for the 21st State Senate District (Sen. Carol Liu)

LARC welcomes the participation of interested organizations and individuals. The monthly Steering Committee Meetings are a great opportunity to dive into regional efforts. If you are interested in attending, please contact the Managing Director (paulbunje@ucla.edu).

UPCOMING: Southern California Sustainability Forum

The two-day Southern California Sustainability Forum will serve as a platform from which the diverse stakeholders can build collaborative partnerships and develop innovative strategies in line with LARC's mission. The Forum is scheduled to take place in Spring of 2012.

The Forum is slated to be *the* annual gathering place for those interested in seeing local governments advance sustainability efforts. Attracting a diverse audience of academic researchers, business experts, technology developers and environmental consultants, the Forum will bring together professionals focused on developing the solutions requisite to stave off the worst impacts of climate change as well as the adaptation strategies necessary to mitigate the inevitable impacts.

The Forum will also appeal to regulatory agencies involved in creating the policies and legislation that will further the development and deployment of sustainable technologies throughout the Los Angeles region. The convergence of these public and private groups will lead to the formation of powerful alliances in support of the Regional Climate Action and Sustainability Plan.

Interested sponsors and collaborators are invited to contact LARC to aid the production of this important regional event.

LEADING REGIONAL COOPERATION

LARC's mission is a complex one that requires substantial effort by all of its members and partners. Keeping regional information flowing, coordinating regional planning, and facilitating valuable research are activities that require wise organizational oversight.

By supporting and participating in LARC, you are contributing to the one forum that is built and sustained by cities, agencies, universities, businesses, and organizations from across the region.

Coordinated Grant Writing

One critical advantage of LARC is its position as a forum for collaborating on state and federal grant applications. LARC has helped coordinate multiple partners on large applications focused on climate action planning, sustainable communities, and sustainable transportation.

LARC was the reason that almost a million dollars were directed at regional climate action planning in Greater L.A. The City and County of Los Angeles both collaborated on their Energy Efficiency and Conservation Block Grants (part of the federal ARRA stimulus program) to leverage each other's resources for coordinated regional climate action planning. The U.S. Department of Energy recognized the importance of this type of coordination, highlighting the shared commitment (and direct referencing) as among the most impressive parts of both EECBG applications. These funds – \$400,000 to the County and \$480,000 to the City – are funding the GHG inventory and climate impacts modeling work described above.

LARC's Members have made a commitment to this organization as the forum for regional

collaboration. Please contact LARC for help and partnership in future grant applications. Together, both the grant applications and the programs they fund will be more successful.

Website

The LARC website went live at the beginning of 2011. Currently hosting the information produced by and for LARC, the website will continue to grow over the coming months and years.

LARC intends that the site will evolve into *the* regional clearinghouse for knowledge and information on climate action and sustainability. Please explore the website and offer suggestions for content or improvement: www.laregionalcollaborative.org.

E-Mail List

LARC maintains a large email list for announcements, events, and news of broad regional importance. Send items for inclusion in the newsletter to larc@lists.ucla.edu.

If you would like to stay updated on sustainability efforts in the Los Angeles region, please subscribe at lists.ucla.edu/cgi-bin/mailman/listinfo/larc.

Technical Advisory Committee

Greater Los Angeles is endowed with some of the greatest scientists, engineers, professionals, and thinkers in the country. LARC is capitalizing on this talent by relying on a Technical Advisory Committee to guide and oversee the technical details of LARC programs. The *Blueprint* benefits from insights provided by national experts in green building, renewable energy, economics, policy, planning,

transportation, information technology, and climate science.

Members of the Technical Advisory Committee:

- ◆ J.R. Deshazo (UCLA School of Public Affairs)
- ◆ Zoe Elizabeth (UCLA Institute of the Environment and Sustainability)
- ◆ Daniel Flaming (Economic Roundtable)
- ◆ John Frane (Predock_Frane Architects)
- ◆ Randy Friedl (JPL)
- ◆ Alex Hall (UCLA Department of Atmospheric and Oceanic Sciences)
- ◆ Rob Lempert (RAND Corporation)
- ◆ Nate Lewis (Caltech)
- ◆ Colin Martin (Cisco Systems)
- ◆ Juan Matute (UCLA Lewis Center)
- ◆ Daniel Mazmanian (USC School of Policy, Planning, and Development)

Anonymous Gift

In August of 2010, LARC received an anonymous gift of \$80,000 to support its mission and grow its capacity. This gift was given to hire a part-time Managing Director and to contract with a development consultant that is helping LARC build its membership and bring in more grants in support of LARC programs.

All of the Members of LARC are extremely grateful to the anonymous donor who chose to advance L.A.'s regional sustainability. Without this generous gift, many of the successes documented in this Annual Report would not have been possible.

ABOUT LARC

LARC is a membership-driven organization. Its members move the region forward through consensus, communication, and cooperation. Members share the governance of the organization through a Steering Committee

that represents the full breadth of the membership. The Steering Committee sets the vision, goals, and governs the programs of LARC. Day-to-day management of LARC is handled by the Managing Director, with the support of the UCLA Institute of the Environment and Sustainability, which houses LARC.

Organizational Structure

The Charter is the document of shared commitment that LARC Members have all signed. It outlines our shared commitment to collaboration and regional sustainability. Governing the operations of LARC is done through the now-completed Governance Policy.

Many thanks go to Deborah Glaser of the Council for Watershed Health and to Paul Bunje of the UCLA Center for Climate Change Solutions, who drafted the Governance Policy. The LARC Steering Committee ensured that LARC is governed by as open and participatory a set of rules as possible. Thus the Governance Policy represents a real framework for inclusion, with rules laid out to ensure action and not exclusion.

Both the LARC Charter and Governance Policy are available on the website at laregionalcollaborative.org/about/.

Steering Committee

The LARC Steering Committee provides strategic direction and general oversight for the Collaborative. Steering Committee representatives are chosen from the Membership and serve as that Member's voice and vote on the Steering Committee.

Steering Committee members are chosen to ensure geographic representation from Members throughout the greater Los Angeles Region and to include representation from the

critical regional sectors including government, non-profits, academia, etc.

The Steering Committee is the decision making body of LARC and strives to ensure all decisions are made by consensus and represent the best interests of the region. The Steering Committee meets once a month and welcomes participation from regional stakeholders by invitation.

Members

LARC members represent leading municipalities, agencies, non-profits, universities and organizations in Greater Los Angeles. LARC is unique in its ability to bring together stakeholders from all sectors to engage in collective action on climate change and sustainability.

Beginning with a committed group of leading municipalities, the County, agencies, and universities, LARC membership has continued to grow.

LARC is very pleased to welcome USC Sea Grant and ICLEI-Local Governments for Sustainability as new members in 2011.

Sponsors

LARC's mission cannot be sustained without the continued support of regional partners from business, government, academia, and the community. Sponsors are non-member regional partners who are committed to

regional collaboration for climate action.

LARC would like to highlight our first sponsor – Cisco Systems. Cisco has generously sponsored LARC through a gift in support of regional collaboration and climate action. Information technology has the power to transform how the world approaches environmental challenges. Cisco sees the Internet and networking technology at the heart of a global technological ecosystem where people and businesses can begin to work, live, play, and learn in new and more sustainable ways.

Membership & Sponsorship

LARC welcomes new members and sponsors to increase regional cooperation. Organizations representing regional interests may apply for membership in LARC.

LARC also welcomes sponsorship of LARC itself or of specific LARC programs. As an opportunity to interact with government, academic, business, and community leaders throughout L.A. County, LARC provides a unique opportunity for sponsors to engage.



If you would like to sponsor or donate to LARC, you can do so online via the UCLA giving website. Please visit www.environment.ucla.edu/support/ and type in "Donation to LARC" in the Comments field.

LARC Members

County of Los Angeles ✦ City of Los Angeles
L.A. County Metropolitan Transportation Authority ✦ South Bay Cities Council of Governments
Westside Cities Council of Governments ✦ City of Santa Monica
Council for Watershed Health ✦ Rivers and Mountains Conservancy
UCLA Institute of the Environment and Sustainability ✦ USC Sea Grant
Climate Resolve ✦ ClimatePlan ✦ ICLEI-Local Governments for Sustainability

For more information on becoming a Member or a Sponsor, please visit the website (laregionalcollaborative.org/members/) or contact the Managing Director directly (paulbunje@ucla.edu).

Managing Director

The anonymous gift to LARC in 2010 allowed LARC to hire a half-time Managing Director. After an extensive search, Dr. Paul Bunje was selected to serve as the first Managing Director. In this role, Paul helps set the vision for LARC efforts, coordinates stakeholders in support of regional goals, and facilitates LARC's programs.

Paul is also the Executive Director of the UCLA Center for Climate Change Solutions, where he facilitates innovative research and communicates between scientists, decision makers, educators, and the public about climate change science and solutions. Prior to joining UCLA, Paul served as a Science and Technology Policy Fellow at the U.S. Environmental Protection Agency in Washington, DC. He received his Ph.D. from



Paul Bunje, LARC
Managing Director

UC Berkeley and his B.S. at the University of Southern California.

You can contact Paul by emailing him at paulbunje@ucla.edu.

Fiscal Sponsor

LARC's work would not be possible without the sustained commitment of its members and partners. The UCLA Institute of the

Environment and Sustainability, a charter Member in LARC, plays a critical role in LARC's success by hosting the Collaborative.

The UCLA Institute of the Environment and Sustainability (IoES) acts as LARC's non-profit fiscal sponsor as well as its physical residence. By offering a neutral and non-partisan home for LARC, the IoES is ensuring that LARC can meet its goals through honest dialogue, rigorous science, and organizational stability.

Learn more about UCLA's Institute of the Environment and Sustainability at www.environment.ucla.edu. Links to all LARC members are available at laregionalcollaborative.org/members/.