From CO2 to H2O: Translating Tree Talk into Great Grants
- **Active Transportation Program** - $125 million
- **Stormwater Management Program** - $101 million
- **Environmental Enhancement and Mitigation Program** - $6.7 million
- **Urban and Community Forestry Program** - $37.8 million (pending)
- **California ReLeaf Urban Forestry Grant Program** - $1 million
Kelaine Ravdin – Owner & Founder, Urban Ecos

Claire Robinson – Managing Director, Amigos de los Rios

Aaron Thomas -- Urban Forestry Manager, North East Trees, Inc.

Chuck Mills – Director of Public Policy and Grants, California ReLeaf
1. Understand the basic principles of the grant’s ecosystem service
How do trees reduce GHGs?
Storage (sequestration)
Bigger is better
How do trees reduce GHGs? Avoided emissions from reduced energy use

Trees Save Energy for Cooling, Thereby Reducing CO₂ Emissions from Power Plants

Image: Bills Sales and Service
Shading buildings is better
1. Understand the basic principles of the grant’s ecosystem service

2. Adapt your project to suit the grant, not the other way around
Objective:
Plant big trees to shade buildings
Quesada Gardens, San Francisco
1. Understand the basic principles of the grant’s ecosystem service

2. Adapt your project to suit the grant, not the other way around

3. Follow the lead and the language of the grant proposal
Follow the proposal’s lead

Desirable Concept Proposal Attributes:

- The project will take place in a CalEnviroScreen 2.0 identified environmental justice community.
- The project will serve a CalEnviroScreen 2.0 identified environmental justice community.
- The project provides urban forest resources to areas where such resources are absent, or replenishes such resources where they are badly depleted.
- The project uses trees to reduce consumption of finite energy resources, capture storm water,

\[ \text{CAL FIRE Urban & Community Forestry GHG Reduction Grants: Green Trees For The Golden State} \]

reduce GHG emissions and reduce urban heat island effects.

- The project uses trees or other vegetation to help reduce air pollution or improve air quality.
- The project has an educational component and develops public awareness of the need for expanding and managing urban forest resources.
- The project will plant trees in an area that will have high public health related benefits.
- The number of trees to be planted is high in relation to the budget requested.
- The project utilizes the largest canopied tree possible for the selected planting sites and shows a preference for planting sites that can support large canopied trees.
- The project involves the public in planting of trees.

C. Project Objective - What are the objectives of the proposed project? Explain how they are in line with the RFP for the grant type selected.
Questions?

kelaine@urban-ecos.com
Emerald Necklace – Expanded Concept

Connecting Mountains to the Sea
“Convergence” – Green infrastructure getting beyond demonstration projects

- Transportation
- Parks, Open Space & Habitat
- Water resources – Stormwater
- GHG Reduction – Urban Greening

major infrastructure change
Los Angeles Basin – “Broccoli Stalk”

LA BASIN Waterway Trail Network

www.amigosdelosrios.org
AMIGOS DE LOS RIOS BRINGS OLMSTED PLAN TO LIFE

1930 OLUMSTED-BARTHOLOMEW PARKS PLAN FOR LOS ANGELES COUNTY
### Regional Goals

<table>
<thead>
<tr>
<th>Regional Goal</th>
<th>Common Vision</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Promote Active Transportation - Walking, Biking, and Alternative Commute Options</td>
<td>1. An interconnected network of walking and biking trails, from forest to ocean</td>
</tr>
<tr>
<td>2. Create Functional and Multi-Purpose Natural (Green) and Built (Grey) Environment Networks</td>
<td>2. Interconnected and complementary green and grey infrastructure networks</td>
</tr>
<tr>
<td>3. Improve Public Health by Expanding Access to Nature and Outdoor Recreation</td>
<td>3. A nature-based network of recreation facilities that promotes public health, social justice and equity</td>
</tr>
<tr>
<td>4. Treat Water as a Multi-Benefit Amenity</td>
<td>4. A water network that infiltrates groundwater, manages wet weather events and provides human enjoyment</td>
</tr>
<tr>
<td>5. Design and Build Communities Resilient to the Current and Projected Impacts of Climate Change</td>
<td>5. Communities resilient to changing water supplies, climate extremes and sea level rise</td>
</tr>
<tr>
<td>6. Enhance Regional Anchors for People and Wildlife</td>
<td>6. A linked network of open space treasures from the Mountains to the Sea</td>
</tr>
<tr>
<td>7. Support Environmental Awareness and Civil Engagement through Education, Outreach, and Cultural Heritage</td>
<td>7. A network of culturally aware and civically involved communities that support conservation, restoration and recreation</td>
</tr>
<tr>
<td>8. Foster a Green Economy that Creates Jobs and Encourages Investment in Local Multi-Benefit Projects</td>
<td>8. A robust and sustainable local economy that produces new economic opportunities around a growing green infrastructure</td>
</tr>
</tbody>
</table>

### Towards a common vision

- Emerald Necklace Expanded Vision
- Regional Goals
- Common Vision
Bringing nature back to urban environments

“More trees are better”
- Scott Wilson, founder North East Trees
North East Trees

person by person
tree by tree
100 Trees Infiltrate
250,000 gallons of Stormwater
Rain Gardens
Bioswales
Storm drain and erosion at the Eastern Gateway of Kenneth Hahn State Park
Concrete storm channel at the Eastern Gateway of Kenneth Hahn Park
New storm drain at the Eastern Gateway
New soft bottom storm channel at the Eastern Gateway
Garvanza Storm Water BMP
Garvanza Storm Water BMP