

Carbon Offsets & the Urban Forest

Urban Foresters Panel:
What's Needed to Get Projects Started?

John Lane

Teichert Materials &
Sacramento Tree Foundation



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June 6, 2012



Teichert Materials *Urban Foresters?*



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What is needed to get Projects Started?



Teichert Materials Urban Foresters?

YES!



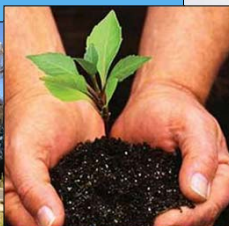
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What is needed to get Projects Started?



Sacramento Tree Foundation Urban Foresters?

No Brainer!



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What is needed to get Projects Started?




AB-32 and SB-375

CAP & Trade Credits v. CEQA

CARBON CREDITS


VS.

GHG MITIGATION CREDITS



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What is needed to get Projects Started?



AB-32 and SB-375


- General Plan Updates
 - SIPs
- GHG Reduction Plans
 - MTPs & RTPs
- Air District Land Use Guidance
- Lead Agency Decision Making

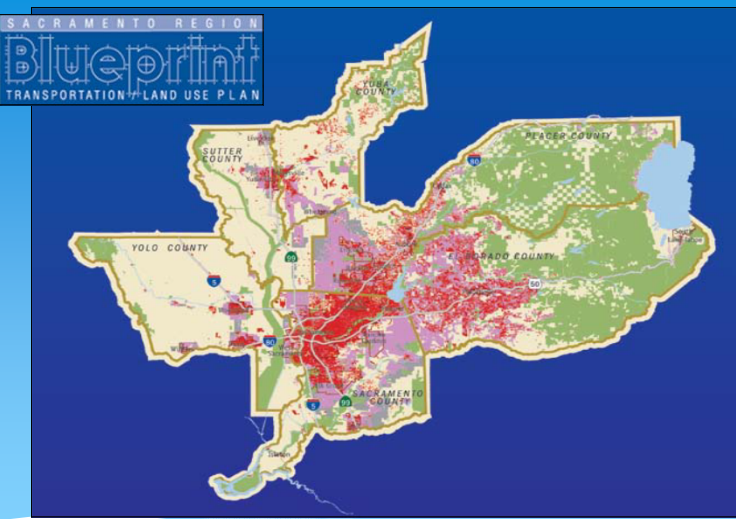
ALL RELY ON AVAILABLE GUIDANCE AND INFORMATION



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What is needed to get Projects Started?






SACRAMENTO REGION
BluePrint
TRANSPORTATION LAND USE PLAN

Yolo County, Sutter County, Butte County, Placer County, Sacramento County

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What is needed to get Projects Started?



Teichert Materials Urban Foresters?

GHG & Other Emissions

- Stationary Sources
- Mobile Fleets
- CEQA Projects ~ Mitigation

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What is needed to get Projects Started?



Teichert



Why Does Teichert Plant Trees?

MITIGATION



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What is needed to get Projects Started?



Sacramento Tree Foundation

Why Does STF Plant Trees?

AIR QUALITY
WATER QUALITY
ENERGY EFFICIENCY
HEALTH
QUALITY OF LIFE
~ THIRD PARTY OVERSIGHT & MGMT ~

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What is needed to get Projects Started?

Teichert

Our View: Urban Forest Carbon Projects

Tremendous CEQA Opportunity
Trees projects bring air, water, energy,
health, overall community.

Positive net gain.



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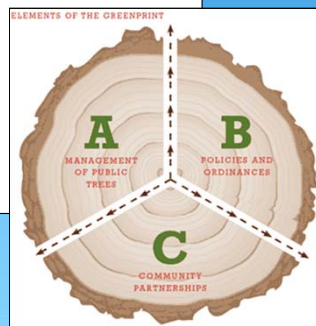
What is needed to get Projects Started?



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5 Million Tree Campaign (Greenprint)

Urban Forest Carbon
could be game changer.



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What is needed to get Projects Started?



Obstacles to Urban Forest Carbon Projects

Hesitancy of Lead Agencies to Use Trees

**Trees are on mitigation option lists but nobody is using them!*

Concern over what is..

- *Appropriate*
- *Defendable*
- *Cost*



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What is needed to get Projects Started?



Obstacles to Urban Forest Carbon Projects

• Overlapping Guidance & Policy Documents

- ARB URBAN FOREST PROTOCOL
- CALEEMOD
- CAR URBAN FOREST PROTOCOL
- CUFR, iTree, Others...

• Cost of Monitoring

• Siting of Urban Tree Projects

• Long term care, maintenance, permanence..

• And more...




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What is needed to get Projects Started?



Obstacles to Urban Forest Carbon Projects




CALEEMOD

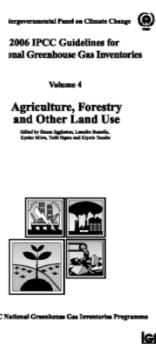
SACRAMENTO METROPOLITAN
AIR QUALITY
MANAGEMENT DISTRICT

In February 2011, a new air emissions model, the California Emissions Estimator Model (CalEEMod) was introduced. This model calculates both criteria pollutant and greenhouse gas emissions from projects.

The AQMD has tentatively set July 1, 2012 as the date when agencies conducting air emissions analyses for CEQA purposes must use this model.



CalEEMod™



Intergovernmental Panel on Climate Change
2006 IPCC Guidelines for
National Greenhouse Gas Inventories
Volume 4
Agriculture, Forestry
and Other Land Use
Edited by Bruce A. Glendon, Leticia Brando,
Kajun H. Kim, Todd S. R. and Egon T. S.



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What is needed to get Projects Started?



Overcoming Obstacles to Urban Forest Carbon

1. Develop Consistent & Defendable Guidance

Recognize Problems in Urban Forest Protocol
Develop the “Black Box”
Work with stakeholders

HELP THE DECISION MAKERS!



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What is needed to get Projects Started?



Overcoming Obstacles to Urban Forest Carbon

2. Lower the Cost of Monitoring!

Is DBH a buggy whip?

Remote Monitoring Data Collection

Performance Based Data Collection

HELP THE PROJECT PROPONENTS!



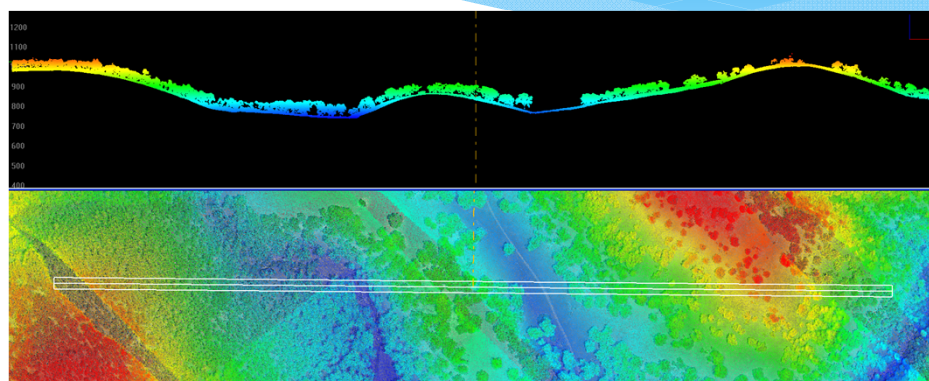
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What is needed to get Projects Started?



Tree Canopy Profile

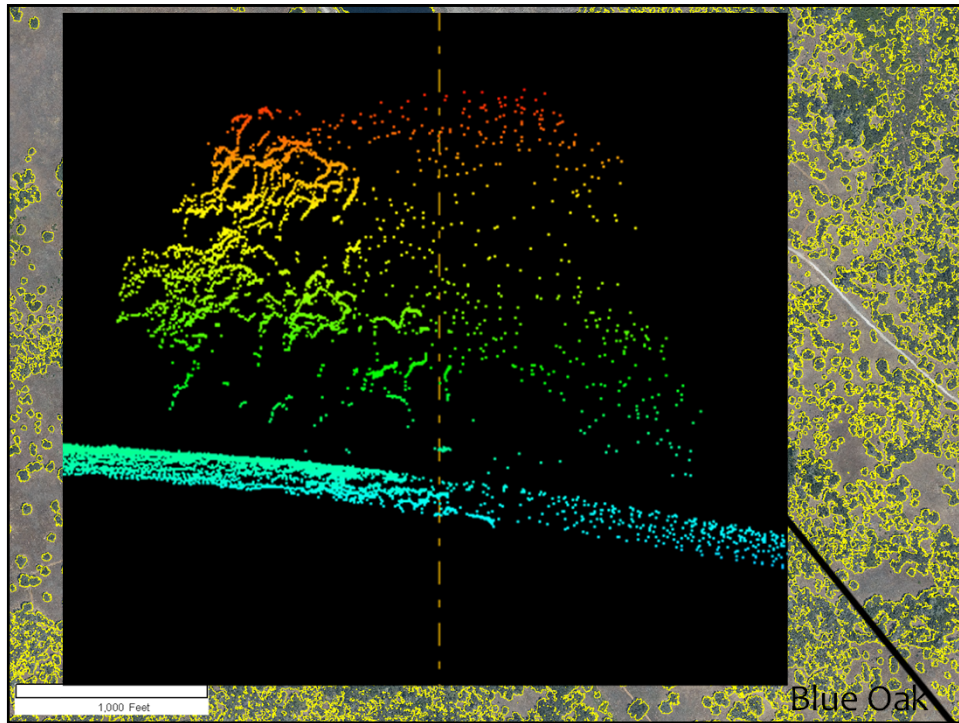
LIDAR



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What is needed to get Projects Started?





I'VE DECIDED TO SKIP THE DEPRESSION AND GO STRAIGHT TO THE NERVOUS BREAKDOWN!


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search ID: mfln565

HELP THE DECISION MAKERS!

HELP THE PROJECT PROPONENTS!

Help Get The Projects Started?

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Thanks!



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Help Get The Projects Started?

