



VIBRANT CITIES LAB

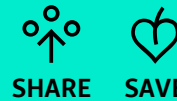
IMPACTS, RESEARCH, CASE STUDIES URBAN FORESTRY TOOLKIT RESOURCES LOGIN



CASE STUDY



URBAN WOOD REUSE



# Sacramento, CA: Sequestering Carbon Through Urban Lumber Salvage

Credit: Sacramento Tree Foundation

# The State of California's Greenhouse Gas Reduction Fund has taken some innovative steps in greenhouse

## LOCATION

Sacramento, CA

## POPULATION

493,025

## DEMOGRAPHICS

45.0% White, 14.6% African American, 17.8% Asian, 4.2% Chinese, 3.3% Hmong, 2.8% Filipino, 1.6% Indian, 1.4% Vietnamese, 1.2% Laotian, 1.2% Japanese, 1.1% Native American, 12.3% other races, 7.1% from two or more races. Hispanic or Latino of any race are 26.9%.

# gas mitigation measures.

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**In 2015, the Sacramento Tree Foundation received a** grant through the CAL FIRE Greenhouse Gas Reduction Fund (GGRF) to establish The Urban Wood Rescue program. It diverts logs headed for the landfill from the urban waste stream, thereby reducing greenhouse gas (GHG) emissions and sequestering carbon for longer periods of time. When wood is chipped, burned, or left to decompose, it returns carbon back to the environment. When logs are processed into wood products, the carbon in them stays bound up in the wood for the life of the object.

The Urban Wood Rescue program partners with the City of Sacramento and private landowners to salvage logs from trees that need to be removed – the salvage stream includes public and private trees. Logs must be delivered to the sort yard and must meet certain quality criteria to ensure they qualify for milling and drying. The Tree Foundation does not pay for the logs, but does offer a tax deduction based on estimated value of the raw log(s).

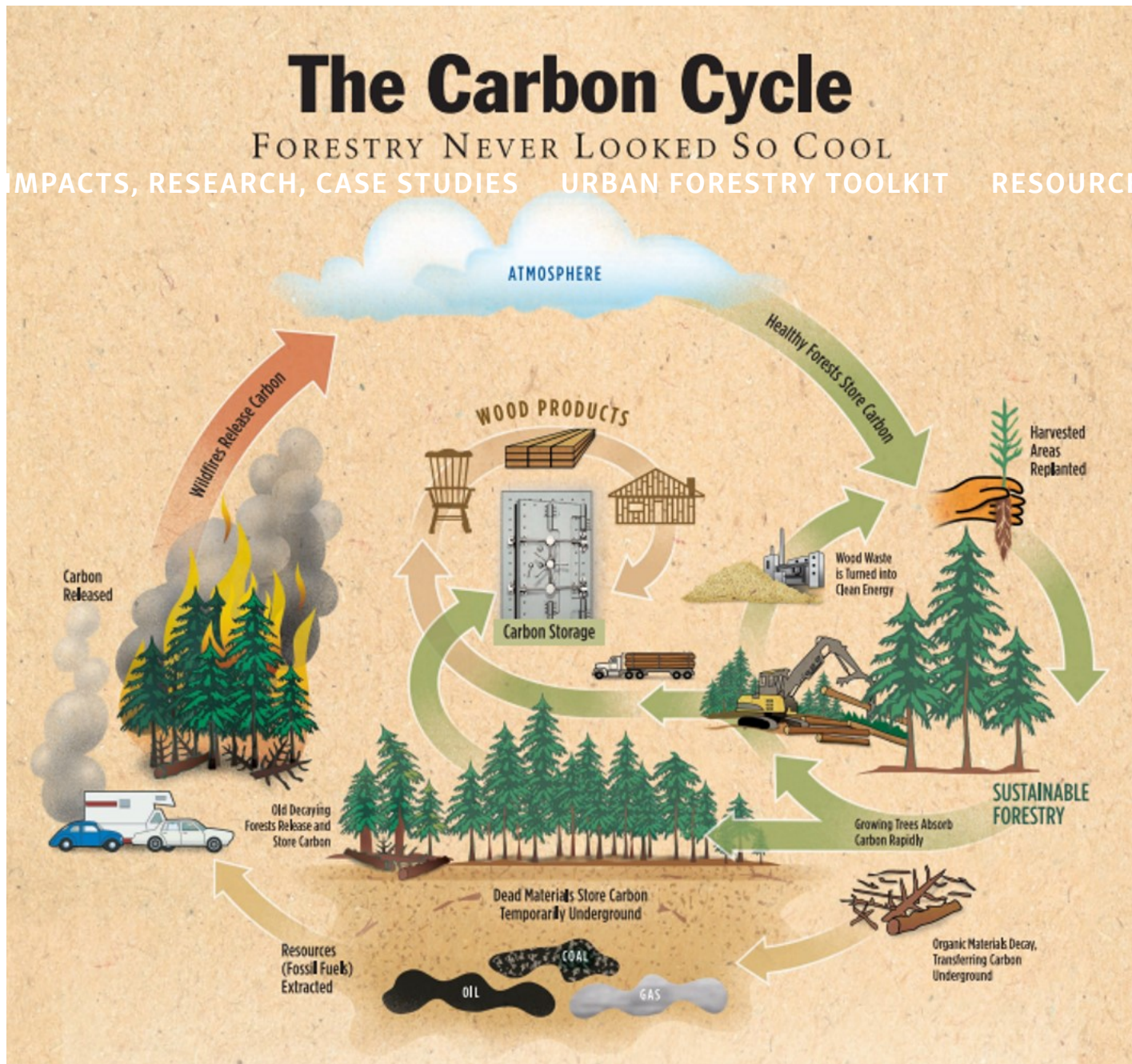
These logs are then milled into lumber for use in community projects like benches, fences, and playground equipment. The resulting lumber is also available for sale to artists and craftsmen for furniture and artwork, creating a cooperative network of makers producing unique wooden products with a source zip code.

The Urban Wood Rescue program offers custom milling services on a per log basis. It does not offer kiln drying services or log pick up services.

This GHG mitigation effort supports an urban wood sorting and processing operation for logs generated from tree removals on

public and private property. In addition to avoiding GHG emissions by planting trees for shade, Sacramento also sequesters carbon by diverting urban logs from waste streams.





## The Carbon Cycle

## The Forest Foundation

## FUNDING

CAL FIRE (the California Department of Forestry and Fire Protection) has received funding from the Greenhouse Gas Reduction Fund (GGRF) for forestry projects which reduce or avoid GHG emissions. The funding is authorized by SB 862, Greenhouse gases: emissions reduction. Applicants to the Fund must demonstrate reduction of greenhouse gases as a result of implementing the proposed project.

## IMPLEMENTATION

Sacramento Tree Foundation's Urban Wood Rescue

## **PARTNERS**

- Sacramento Tree Foundation
- City of Sacramento
- CAL FIRE (California Department of Forestry and Fire Protection)

**URBAN FORESTRY TOOLKIT**

**RELEVANT IMPLEMENTATION**





Organize

STEP 5

IMPACTS, RESEARCH,

CASE STUDIES

URBAN FORESTRY TOOLKIT

RESOURCES

LOGIN

Build a Stakeholder Coalition

It takes more than a village.



Plan

STEP 7

Planning: Best Practices in Urban Forestry

Goals are good. Getting it done is better.



Plan

STEP 11

Funding

Seek funding that's as diverse and long-term as possible.



# RELATED RESOURCES



RESEARCH PAPER



RESEARCH PAPER

Urban Woody Biomass Utilization [↗](#)

Using industrial clusters to build an urban wood utilization program [↗](#)

**RESEARCH PAPER**

Managing Urban Wood Waste [↗](#)

**RESEARCH PAPER**

Successful Approaches to Recycling Urban Wood Waste [↗](#)

**RESOURCE LIBRARY →**

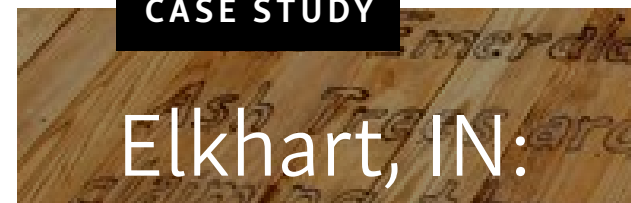


**URBAN WOOD REUSE**

**RESEARCH**

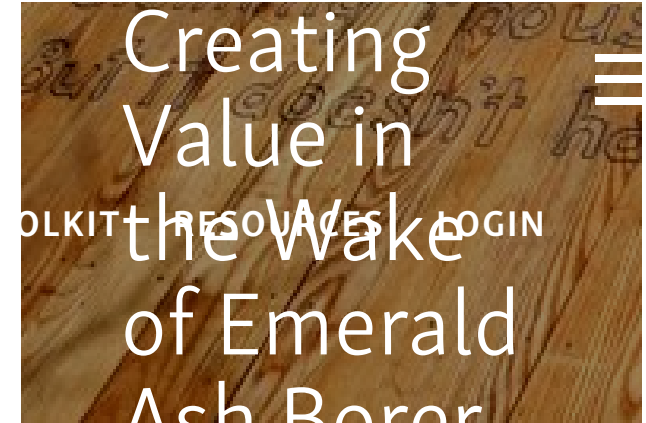
Urban wood

**CASE STUDY**



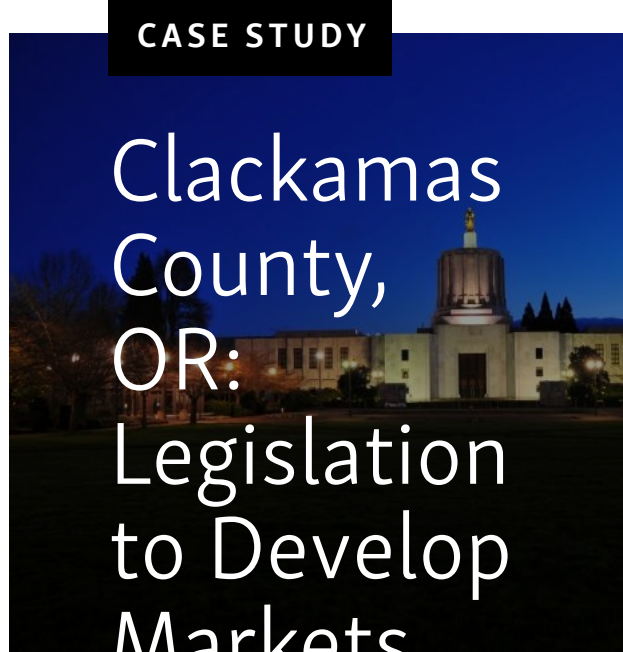
# CASE STUDIES AND RESEARCH

reuse modeling, sort systems and market plans already exist



RESEARCH

Urban wood reuse can reduce greenhouse gas emissions, protects forested habitats, increases employment



CASE STUDY

Excess amounts of woody wastes should not be considered a burden, but rather an opportunity for job...

RESEARCH

Economic Impact

# LEARN MORE ABOUT HOW TREES IMPROVE



HUMAN HEALTH



ECONOMIC DEVELOPMENT



WATER QUALITY



AIR QUALITY



PUBLIC SAFETY



EQUITY



TRANSPORTATION



EDUCATION



CITY PLANNING



SMART CITIES TECH



URBAN WOOD REUSE

GET STARTED



IMPACTS, RESEARCH, CASE STUDIES

URBAN FORESTRY TOOLKIT

RESOURCES

LOGIN

# URBAN FORESTRY TOOLKIT



# VIBRANT CITIES LAB

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AMERICAN FORESTS



NARC

*Building Regional Communities*  
*National Association of Regional Councils*

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