



TEXAS TREEPRINT

A Regional Workshop for the Gulf Coast Urban Forest

MARCH 31ST – APRIL 1ST 2008



This workshop is supported by the State of Texas Forest Service.



TEXAS TREEPRINT

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1. What is Greenprint?

Where it began: The State of the Trees Report, the history, how it works, and its outcomes.

2. The Opportunity and Vision

A defined region and a description of the need and opportunity. Identifying significant results, the vision, local initiatives, and summarizing key elements.

3. The Benefits

How many total trees do you hope to add? Calculate the approximate annual benefits and costs to arrive at your total annual benefits.

4. Key Factors of Success

What are the key factors of success? What is essential to making it happen?

5. Lessons Learned from Others

What experiences can you gain from others to help you be successful?

6. Project Phases

Identify the phases of implementation necessary to achieve the vision.

7. Resources

Describe the internal and external resources you need for the initial phases.

8. Your Role

Define your current role in achieving the vision - and how your role needs to change.

9. Getting Started

What needs to be accomplished in the next year?

10. Summary Sheet



TEXAS TREEPRINT

What is Greenprint?

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- A. WHERE IT BEGAN: THE STATE OF THE TREES REPORT

- B. THE HISTORY: KEY MOMENTS IN THE SACRAMENTO TREE FOUNDATION'S GREENPRINT

- C. HOW IT WORKS: THE GROWTH RINGS

- D. OUTCOMES: THE RESULTS TO DATE

The Opportunity and Vision

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A. DEFINE THE REGION:

What is the region/community?

How many households in the region/community?

How many counties and cities in the region/community?

What are the major regional governance entities?

B. DESCRIBE THE NEED:

Population growth over next 20 years (high, medium, low):

Major changes in living patterns:

Major environmental changes:

Other significant changes:

The Opportunity and Vision

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C. DESCRIBE THE OPPORTUNITY:

Approximately what percentage of the region has a mature tree canopy?

What percentage has a young tree canopy?

What percentage has no tree canopy?

What percentage is available for tree plantings?

D. DEFINE THE VISION:

Translating Greenprint to your region/community.

What are the most important needs trees can address?

Summarize the opportunity and the significant results you hope to achieve in 2-4 sentences. Make it as compelling as you can.

E. DEFINE YOUR LEVERAGE POINTS:

What are the other leverage points (e.g. existing initiatives, champions, political support)?

What makes this a good or bad idea now?

The Benefits

A. QUANTITY:

How many trees do you plan to add to the region over the next 40 years?

- Trees in residential yards:
- Trees in public spaces:

B. BENEFITS - CALCULATE THE BENEFITS USING THE TREE GUIDE.

1. Residential (yard) trees

Benefit of 1 tree:	5 years:	20 years:	40 years:	Avg. 40 yr:
Cooling	\$	\$	\$	\$
Heating	\$	\$	\$	\$
Net energy	\$	\$	\$	\$
Net CO2	\$	\$	\$	\$
Air pollution	\$	\$	\$	\$
Hydrology	\$	\$	\$	\$
Esthetics/other	\$	\$	\$	\$
Total:	\$	\$	\$	\$

Cumulative benefits, residential trees:

$$40 \times \text{Total Avg. 40-year benefit} \times \text{Quantity of residential trees} = \text{[]}$$

The Benefits

2. Public trees:

Benefit of 1 tree:	5 years:	20 years:	40 years:	Avg. 40 yr:
Cooling	\$	\$	\$	\$
Heating	\$	\$	\$	\$
Net energy	\$	\$	\$	\$
Net CO2	\$	\$	\$	\$
Air pollution	\$	\$	\$	\$
Hydrology	\$	\$	\$	\$
Esthetics/other	\$	\$	\$	\$
Total:	\$	\$	\$	\$

Cumulative benefits, residential trees:

$$40 \times \text{Total Avg. 40-year benefit} \times \text{Quantity of public trees} = \text{[]}$$

The Benefits

C. COSTS - CALCULATE THE COSTS USING THE TREE GUIDE.

1. Residential (yard) trees:

Cost of 1 tree:	5 years:	20 years:	40 years:	Avg. 40 yr:
Tree and planting	\$	\$	\$	\$
Pruning	\$	\$	\$	\$
Remove/dispose	\$	\$	\$	\$
Pest/disease	\$	\$	\$	\$
Infrastructure	\$	\$	\$	\$
Irrigation	\$	\$	\$	\$
Cleanup	\$	\$	\$	\$
Liability/legal	\$	\$	\$	\$
Administration	\$	\$	\$	\$
Total:	\$	\$	\$	\$

Cumulative benefits, residential trees:

$$\boxed{40} \times \boxed{\text{Total Avg. 40-year cost}} \times \boxed{\text{Quantity of residential trees}} = \boxed{}$$

2. Public trees

Cost of 1 tree:	5 years:	20 years:	40 years:	Avg. 40 yr:
Tree and planting	\$	\$	\$	\$
Pruning	\$	\$	\$	\$
Remove/dispose	\$	\$	\$	\$
Pest/disease	\$	\$	\$	\$
Infrastructure	\$	\$	\$	\$
Irrigation	\$	\$	\$	\$
Cleanup	\$	\$	\$	\$
Liability/legal	\$	\$	\$	\$
Administration	\$	\$	\$	\$
Total:	\$	\$	\$	\$

Cumulative benefits, public trees:

$$\boxed{40} \times \boxed{\text{Total Avg. 40-year cost}} \times \boxed{\text{Quantity of public trees}} = \boxed{}$$

The Benefits

D. TOTAL NET BENEFITS

Calculate the net benefits over 40 years.

Item:	Totals:
Cumulative benefits, residential trees	\$
Cumulative benefits, public trees	\$
Total cumulative benefits	\$
Cumulative costs, residential trees	\$
Cumulative costs, public trees	\$
Total cumulative costs	\$
Total net benefits	\$

Key Factors of Success

WHAT ARE THE KEY FACTORS OF SUCCESS? WHAT IS ESSENTIAL TO MAKING IT HAPPEN?

Internal factors (within your organization/agency)

- 1.
- 2.
- 3.
- 4.
- 5.

External factors (outside your organization/agency)

- 1.
- 2.
- 3.
- 4.
- 5.

List the five most critical factors

- 1.
- 2.
- 3.
- 4.
- 5.

List other factors

- 1.
- 2.

Lessons Learned

WHAT EXPERIENCES CAN YOU GAIN FROM OTHERS TO HELP YOU BE SUCCESSFUL?

List at least five lessons learned.

1.

2.

3.

4.

5.

TEXAS TREEPRINT

Project Phases

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IDENTIFY THE PHASES OF IMPLEMENTATION NECESSARY TO ACHIEVE THE VISION.

Phase	Details	Timetable (years)
1.		
2.		
3.		
4.		
5.		

Resources

DESCRIBE THE INTERNAL AND EXTERNAL RESOURCES YOU NEED FOR THE INITIAL PHASES.

Internal resources on hand

- 1.
- 2.
- 3.
- 4.
- 5.

Internal resources needed

- 1.
- 2.
- 3.
- 4.
- 5.

External resources on hand

- 1.
- 2.
- 3.
- 4.
- 5.

External resources needed

- 1.
- 2.



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Your Role

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**DEFINE YOUR CURRENT ROLE IN ACHIEVING THE VISION
- AND HOW YOUR ROLE NEEDS TO CHANGE.**

My current role:

What I envision my role to be:

Getting Started

WHAT NEEDS TO BE ACCOMPLISHED IN THE NEXT YEAR?

Step	Details	Responsible agency/person
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

TEXAS TREEPRINT

Summary

1. THE VISION

Summarize the opportunity and the results you hope to achieve.

2. THE BENEFITS

	Residential	Public Spaces	Total:
Total Trees Envisioned			
Cumulative Benefits	\$	\$	\$
Cumulative Costs	\$	\$	\$

3. KEY FACTORS OF SUCCESS

Key factors of success internally?

Key factors of success externally?

4. LESSONS LEARNED

Lessons you've learned from others?

5. PROJECT PHASES

Overall phases of implementation?

- 1.
- 2.
- 3.



TEXAS TREEPRINT

Summary

6. RESOURCES

Important resources you already have?

Important resources you need?

7. GETTING STARTED

What needs to be accomplished in the next year?

- 1.
- 2.
- 3.
- 4.
- 5.

8. YOUR ROLE

How do you see your role changing to achieve this vision?

Notes



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