

# Functional Replacement Method Trunk Formula Technique

Client name PompanoFishing Village R3 Date 1/25/21 Case # 1

Phone \_\_\_\_\_ E-mail \_\_\_\_\_

Address 215-255 N Pompano Beach Blvd, Pompano Beach, Florida

## Subject tree

Species CoconutPalm (Cocosnucifera)

1. Trunk diameter\* (D) \_\_\_\_\_ @ 16'CT
2. Cross-sectional area (line 1)<sup>2</sup> × 0.7854 = n/a in<sup>2</sup>
3. Condition rating 50 %  
Health \_\_\_\_\_  
Structure \_\_\_\_\_  
Form \_\_\_\_\_
4. Functional limitations \_\_\_\_\_ 100 %
5. External limitations \_\_\_\_\_ 100 %

## Functional replacement tree

Species CoconutPalm (Cocosnucifera)

6. Size (specify diameter or height) 12CT feet height
7. If diameter, cross-sectional area (line 6)<sup>2</sup> × 0.7854 = n/a in<sup>2</sup>
8. Functional replacement tree cost Source: Market average on Plantant.com \$ 400

## Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 33.33 per foot CT
10. Basic functional replacement cost (line 2 × line 9) \$ 533.33
11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)  
(where depreciation is appropriate) \$ 266.67

## Additional costs

- Cleanup \_\_\_\_\_ \$ 400
- Replacement tree installation \_\_\_\_\_ \$ \_\_\_\_\_
- Aftercare \_\_\_\_\_ \$ \_\_\_\_\_
- Hardscape (specify) \_\_\_\_\_ \$ \_\_\_\_\_
12. Total additional costs \$ 400
  13. Total functional replacement cost (line 11 + line 12) \$ 666.67
  14. Rounded \$ 670

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# Functional Replacement Method Trunk Formula Technique

Client name Pompano Fishing Village R3 Date 1/25/21 Case # 2

Phone \_\_\_\_\_ E-mail \_\_\_\_\_

Address 215-255 N Pompano Beach Blvd, Pompano Beach, Florida

## Subject tree

Species Coconut Palm (*Cocos nucifera*)

1. Trunk diameter\* (D) \_\_\_\_\_ @ 18'CT
2. Cross-sectional area (line 1)<sup>2</sup> × 0.7854 = n/a in<sup>2</sup>
3. Condition rating 50 %  
Health \_\_\_\_\_  
Structure \_\_\_\_\_  
Form \_\_\_\_\_
4. Functional limitations \_\_\_\_\_ 100 %
5. External limitations \_\_\_\_\_ 100 %

## Functional replacement tree

Species Coconut Palm (*Cocos nucifera*)

6. Size (specify diameter or height) 12CT feet height
7. If diameter, cross-sectional area (line 6)<sup>2</sup> × 0.7854 = n/a in<sup>2</sup>
8. Functional replacement tree cost Source: Market average on Plantant.com \$ 450

## Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 37.50 per foot CT
10. Basic functional replacement cost (line 2 × line 9) \$ 675
11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)  
(where depreciation is appropriate) \$ 337.50

## Additional costs

- Cleanup \_\_\_\_\_ \$ 450
- Replacement tree installation \_\_\_\_\_ \$ \_\_\_\_\_
- Aftercare \_\_\_\_\_ \$ \_\_\_\_\_
- Hardscape (specify) \_\_\_\_\_ \$ \_\_\_\_\_
12. Total additional costs \$ 450
  13. Total functional replacement cost (line 11 + line 12) \$ 787.50
  14. Rounded \$ 790

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# Functional Replacement Method Trunk Formula Technique

Client name Pompano Fishing Village R3 Date 1/25/21 Case # 3

Phone \_\_\_\_\_ E-mail \_\_\_\_\_

Address 215-255 N Pompano Beach Blvd, Pompano Beach, Florida

## Subject tree

Species Coconut Palm (*Cocos nucifera*)

1. Trunk diameter\* (D) \_\_\_\_\_ @ 19' CT
2. Cross-sectional area (line 1)<sup>2</sup> × 0.7854 = n/a in<sup>2</sup>
3. Condition rating 50 %  
Health \_\_\_\_\_  
Structure \_\_\_\_\_  
Form \_\_\_\_\_
4. Functional limitations \_\_\_\_\_ 100 %
5. External limitations \_\_\_\_\_ 100 %

## Functional replacement tree

Species Coconut Palm (*Cocos nucifera*)

6. Size (specify diameter or height) 12 CT feet height
7. If diameter, cross-sectional area (line 6)<sup>2</sup> × 0.7854 = n/a in<sup>2</sup>
8. Functional replacement tree cost Source: Market average on Plantant.com \$ 475

## Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 39.58 per foot CT
10. Basic functional replacement cost (line 2 × line 9) \$ 752.08
11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)  
(where depreciation is appropriate) \$ 376.04

## Additional costs

- Cleanup \_\_\_\_\_ \$ 475
- Replacement tree installation \_\_\_\_\_ \$ \_\_\_\_\_
- Aftercare \_\_\_\_\_ \$ \_\_\_\_\_
- Hardscape (specify) \_\_\_\_\_ \$ \_\_\_\_\_
12. Total additional costs \$ 475
  13. Total functional replacement cost (line 11 + line 12) \$ 851.04
  14. Rounded \$ 850

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# Functional Replacement Method Trunk Formula Technique

Client name Pompano Fishing Village R3 Date 1/25/21 Case # 4

Phone \_\_\_\_\_ E-mail \_\_\_\_\_

Address 215-255 N Pompano Beach Blvd, Pompano Beach, Florida

## Subject tree

Species Coconut Palm (*Cocos nucifera*)

1. Trunk diameter\* (D) \_\_\_\_\_ @ 17'CT
2. Cross-sectional area (line 1)<sup>2</sup> × 0.7854 = n/a in<sup>2</sup>
3. Condition rating 50 %  
Health \_\_\_\_\_  
Structure \_\_\_\_\_  
Form \_\_\_\_\_
4. Functional limitations \_\_\_\_\_ 100 %
5. External limitations \_\_\_\_\_ 100 %

## Functional replacement tree

Species Coconut Palm (*Cocos nucifera*)

6. Size (specify diameter or height) 12CT feet height
7. If diameter, cross-sectional area (line 6)<sup>2</sup> × 0.7854 = n/a in<sup>2</sup>
8. Functional replacement tree cost Source: Market average on Plantant.com \$ 425

## Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 35.42 per foot CT
10. Basic functional replacement cost (line 2 × line 9) \$ 602.08
11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)  
(where depreciation is appropriate) \$ 301.04

## Additional costs

- Cleanup \_\_\_\_\_ \$ 425
- Replacement tree installation \_\_\_\_\_ \$ \_\_\_\_\_
- Aftercare \_\_\_\_\_ \$ \_\_\_\_\_
- Hardscape (specify) \_\_\_\_\_ \$ \_\_\_\_\_
12. Total additional costs \$ 425
  13. Total functional replacement cost (line 11 + line 12) \$ 726.04
  14. Rounded \$ 730

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# Functional Replacement Method Trunk Formula Technique

Client name Pompano Fishing Village R3 Date 1/25/21 Case # 5

Phone \_\_\_\_\_ E-mail \_\_\_\_\_

Address 215-255 N Pompano Beach Blvd, Pompano Beach, Florida

## Subject tree

Species Coconut Palm (*Cocos nucifera*)

1. Trunk diameter\* (D) \_\_\_\_\_ @ 17'CT
2. Cross-sectional area (line 1)<sup>2</sup> × 0.7854 = n/a in<sup>2</sup>
3. Condition rating 40 %  
Health \_\_\_\_\_  
Structure \_\_\_\_\_  
Form \_\_\_\_\_
4. Functional limitations \_\_\_\_\_ 100 %
5. External limitations \_\_\_\_\_ 100 %

## Functional replacement tree

Species Coconut Palm (*Cocos nucifera*)

6. Size (specify diameter or height) 12CT feet height
7. If diameter, cross-sectional area (line 6)<sup>2</sup> × 0.7854 = n/a in<sup>2</sup>
8. Functional replacement tree cost Source: Market average on Plantant.com \$ 425

## Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 35.42 per foot CT
10. Basic functional replacement cost (line 2 × line 9) \$ 602.08
11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)  
(where depreciation is appropriate) \$ 240.83

## Additional costs

- Cleanup \_\_\_\_\_ \$ 425
- Replacement tree installation \_\_\_\_\_ \$ \_\_\_\_\_
- Aftercare \_\_\_\_\_ \$ \_\_\_\_\_
- Hardscape (specify) \_\_\_\_\_ \$ \_\_\_\_\_
12. Total additional costs \$ 425
  13. Total functional replacement cost (line 11 + line 12) \$ 665.83
  14. Rounded \$ 670

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# Functional Replacement Method Trunk Formula Technique

Client name Pompano Fishing Village R3 Date 1/25/21 Case # 6

Phone \_\_\_\_\_ E-mail \_\_\_\_\_

Address 215-255 N Pompano Beach Blvd, Pompano Beach, Florida

## Subject tree

Species Coconut Palm (*Cocos nucifera*)

1. Trunk diameter\* (D) \_\_\_\_\_ @ 17'CT
2. Cross-sectional area (line 1)<sup>2</sup> × 0.7854 = n/a in<sup>2</sup>
3. Condition rating 40 %  
Health \_\_\_\_\_  
Structure \_\_\_\_\_  
Form \_\_\_\_\_
4. Functional limitations \_\_\_\_\_ 100 %
5. External limitations \_\_\_\_\_ 100 %

## Functional replacement tree

Species Coconut Palm (*Cocos nucifera*)

6. Size (specify diameter or height) 12CT feet height
7. If diameter, cross-sectional area (line 6)<sup>2</sup> × 0.7854 = n/a in<sup>2</sup>
8. Functional replacement tree cost Source: Market average on Plantant.com \$ 425

## Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 35.42 per foot CT
10. Basic functional replacement cost (line 2 × line 9) \$ 602.08
11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)  
(where depreciation is appropriate) \$ 240.83

## Additional costs

- Cleanup \_\_\_\_\_ \$ 425
- Replacement tree installation \_\_\_\_\_ \$ \_\_\_\_\_
- Aftercare \_\_\_\_\_ \$ \_\_\_\_\_
- Hardscape (specify) \_\_\_\_\_ \$ \_\_\_\_\_
12. Total additional costs \$ 425
  13. Total functional replacement cost (line 11 + line 12) \$ 665.83
  14. Rounded \$ 670

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# Functional Replacement Method Trunk Formula Technique

Client name Pompano Fishing Village R3 Date 1/25/21 Case # 7

Phone \_\_\_\_\_ E-mail \_\_\_\_\_

Address 215-255 N Pompano Beach Blvd, Pompano Beach, Florida

## Subject tree

Species Medjool Date Palm (*Phoenix dactylifera*)

1. Trunk diameter\* (D) \_\_\_\_\_ @ 17'CT
2. Cross-sectional area (line 1)<sup>2</sup> × 0.7854 = n/a in<sup>2</sup>
3. Condition rating 50 %  
Health \_\_\_\_\_  
Structure \_\_\_\_\_  
Form \_\_\_\_\_
4. Functional limitations \_\_\_\_\_ 65 %
5. External limitations \_\_\_\_\_ 100 %

## Functional replacement tree

Species Medjool Date Palm (*Phoenix dactylifera*)

6. Size (specify diameter or height) 16CT feet height
7. If diameter, cross-sectional area (line 6)<sup>2</sup> × 0.7854 = n/a in<sup>2</sup>
8. Functional replacement tree cost Source: Market average on Plantant.com \$ 3,050

## Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 190.63 per foot CT
10. Basic functional replacement cost (line 2 × line 9) \$ 3,240.63
11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)  
(where depreciation is appropriate) \$ 1,053.20

## Additional costs

- Cleanup \_\_\_\_\_ \$ 3,050
- Replacement tree installation \_\_\_\_\_ \$ \_\_\_\_\_
- Aftercare \_\_\_\_\_ \$ \_\_\_\_\_
- Hardscape (specify) \_\_\_\_\_ \$ \_\_\_\_\_
12. Total additional costs \$ 3,050
  13. Total functional replacement cost (line 11 + line 12) \$ 4,103.20
  14. Rounded \$ 4,100

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# Functional Replacement Method Trunk Formula Technique

Client name Pompano Fishing Village R3 Date 1/25/21 Case # 8

Phone \_\_\_\_\_ E-mail \_\_\_\_\_

Address 215-255 N Pompano Beach Blvd, Pompano Beach, Florida

## Subject tree

Species Medjool Date Palm (*Phoenix dactylifera*)

1. Trunk diameter\* (D) \_\_\_\_\_ @ 17'CT
2. Cross-sectional area (line 1)<sup>2</sup> × 0.7854 = n/a in<sup>2</sup>
3. Condition rating 60 %  
Health \_\_\_\_\_  
Structure \_\_\_\_\_  
Form \_\_\_\_\_
4. Functional limitations \_\_\_\_\_ 65 %
5. External limitations \_\_\_\_\_ 100 %

## Functional replacement tree

Species Medjool Date Palm (*Phoenix dactylifera*)

6. Size (specify diameter or height) 16CT feet height
7. If diameter, cross-sectional area (line 6)<sup>2</sup> × 0.7854 = n/a in<sup>2</sup>
8. Functional replacement tree cost Source: Market average on Plantant.com \$ 3,050

## Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 190.63 per foot CT
10. Basic functional replacement cost (line 2 × line 9) \$ 3,240.63
11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)  
(where depreciation is appropriate) \$ 1,263.84

## Additional costs

- Cleanup \_\_\_\_\_ \$ 3,050
- Replacement tree installation \_\_\_\_\_ \$ \_\_\_\_\_
- Aftercare \_\_\_\_\_ \$ \_\_\_\_\_
- Hardscape (specify) \_\_\_\_\_ \$ \_\_\_\_\_
12. Total additional costs \$ 3,050
  13. Total functional replacement cost (line 11 + line 12) \$ 4,313.84
  14. Rounded \$ 4,300

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# Functional Replacement Method Trunk Formula Technique

Client name Pompano Fishing Village R3 Date 1/25/21 Case # 9  
Phone \_\_\_\_\_ E-mail \_\_\_\_\_  
Address 215-255 N Pompano Beach Blvd, Pompano Beach, Florida

## Subject tree

Species Medjool Date Palm (*Phoenix dactylifera*)

1. Trunk diameter\* (D) \_\_\_\_\_ @ 17'CT

2. Cross-sectional area (line 1)<sup>2</sup> × 0.7854 = n/a in<sup>2</sup>

3. Condition rating 60 %

Health \_\_\_\_\_

Structure \_\_\_\_\_

Form \_\_\_\_\_

4. Functional limitations \_\_\_\_\_ 65 %

5. External limitations \_\_\_\_\_ 100 %

## Functional replacement tree

Species Medjool Date Palm (*Phoenix dactylifera*)

6. Size (specify diameter or height) 16CT feet height

7. If diameter, cross-sectional area (line 6)<sup>2</sup> × 0.7854 = n/a in<sup>2</sup>

8. Functional replacement tree cost Source: Market average on Plantant.com \$ 3,050

## Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 190.63 per foot CT

10. Basic functional replacement cost (line 2 × line 9) \$ 3,240.63

11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)  
(where depreciation is appropriate) \$ 1,263.84

## Additional costs

Cleanup \_\_\_\_\_ \$ 3,050

Replacement tree installation \_\_\_\_\_ \$ \_\_\_\_\_

Aftercare \_\_\_\_\_ \$ \_\_\_\_\_

Hardscape (specify) \_\_\_\_\_ \$ \_\_\_\_\_

12. Total additional costs \$ 3,050

13. Total functional replacement cost (line 11 + line 12) \$ 4,313.84

14. Rounded \$ 4,300

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# Functional Replacement Method Trunk Formula Technique

Client name Pompano Fishing Village R3 Date 1/25/21 Case # 10

Phone \_\_\_\_\_ E-mail \_\_\_\_\_

Address 215-255 N Pompano Beach Blvd, Pompano Beach, Florida

## Subject tree

Species Medjool Date Palm (*Phoenix dactylifera*)

1. Trunk diameter\* (D) \_\_\_\_\_ @ 17'CT
2. Cross-sectional area (line 1)<sup>2</sup> × 0.7854 = n/a in<sup>2</sup>
3. Condition rating 60 %  
Health \_\_\_\_\_  
Structure \_\_\_\_\_  
Form \_\_\_\_\_
4. Functional limitations \_\_\_\_\_ 65 %
5. External limitations \_\_\_\_\_ 100 %

## Functional replacement tree

Species Medjool Date Palm (*Phoenix dactylifera*)

6. Size (specify diameter or height) 16CT feet height
7. If diameter, cross-sectional area (line 6)<sup>2</sup> × 0.7854 = n/a in<sup>2</sup>
8. Functional replacement tree cost Source: Market average on Plantant.com \$ 3,050

## Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 190.63 per foot CT
10. Basic functional replacement cost (line 2 × line 9) \$ 3,240.63
11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)  
(where depreciation is appropriate) \$ 1,263.84

## Additional costs

- Cleanup \_\_\_\_\_ \$ 3,050
- Replacement tree installation \_\_\_\_\_ \$ \_\_\_\_\_
- Aftercare \_\_\_\_\_ \$ \_\_\_\_\_
- Hardscape (specify) \_\_\_\_\_ \$ \_\_\_\_\_
12. Total additional costs \$ 3,050
  13. Total functional replacement cost (line 11 + line 12) \$ 4,313.84
  14. Rounded \$ 4,300

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# Functional Replacement Method Trunk Formula Technique

Client name Pompano Fishing Village R3 Date 1/25/21 Case # 12

Phone \_\_\_\_\_ E-mail \_\_\_\_\_

Address 215-255 N Pompano Beach Blvd, Pompano Beach, Florida

## Subject tree

Species Gumbo Limbo (*Phoenix dactylifera*)

1. Trunk diameter\* (D) 6" DBH @ 4'
2. Cross-sectional area (line 1)<sup>2</sup> × 0.7854 = 28 in<sup>2</sup>
3. Condition rating 50 %  
 Health \_\_\_\_\_  
 Structure \_\_\_\_\_  
 Form \_\_\_\_\_
4. Functional limitations \_\_\_\_\_ 80 %
5. External limitations \_\_\_\_\_ 100 %

## Functional replacement tree

Species Gumbo Limbo (*Phoenix dactylifera*)

6. Size (specify diameter or height) 3" Diameter
7. If diameter, cross-sectional area (line 6)<sup>2</sup> × 0.7854 = 7 in<sup>2</sup>
8. Functional replacement tree cost Source: Market average on Plantant.com \$ 342

## Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 48.34
10. Basic functional replacement cost (line 2 × line 9) \$ 1,366.64
11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)  
(where depreciation is appropriate) \$ 546.66

## Additional costs

- Cleanup \_\_\_\_\_ \$ 341.66
- Replacement tree installation \_\_\_\_\_ \$ \_\_\_\_\_
- Aftercare \_\_\_\_\_ \$ \_\_\_\_\_
- Hardscape (specify) \_\_\_\_\_ \$ \_\_\_\_\_
12. Total additional costs \$ 341.66
  13. Total functional replacement cost (line 11 + line 12) \$ 888.32
  14. Rounded \$ 890

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# Functional Replacement Method Trunk Formula Technique

Client name Pompano Fishing Village R3 Date 1/25/21 Case # 13

Phone \_\_\_\_\_ E-mail \_\_\_\_\_

Address 215-255 N Pompano Beach Blvd, Pompano Beach, Florida

## Subject tree

Species Green Buttonwood (*Conocarpus erectus*)

1. Trunk diameter\* (D) 8" DBH @ 4'
2. Cross-sectional area (line 1)<sup>2</sup> × 0.7854 = 50 in<sup>2</sup>
3. Condition rating 60 %  
 Health \_\_\_\_\_  
 Structure \_\_\_\_\_  
 Form \_\_\_\_\_
4. Functional limitations \_\_\_\_\_ 80 %
5. External limitations \_\_\_\_\_ 100 %

## Functional replacement tree

Species Green Buttonwood (*Conocarpus erectus*)

6. Size (specify diameter or height) 3" Diameter
7. If diameter, cross-sectional area (line 6)<sup>2</sup> × 0.7854 = 7 in<sup>2</sup>
8. Functional replacement tree cost Source: Market average on Plantant.com \$ 675

## Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 95.49
10. Basic functional replacement cost (line 2 × line 9) \$ 4,800
11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)  
(where depreciation is appropriate) \$ 2,304

## Additional costs

- Cleanup \_\_\_\_\_ \$ 675
- Replacement tree installation \_\_\_\_\_ \$ \_\_\_\_\_
- Aftercare \_\_\_\_\_ \$ \_\_\_\_\_
- Hardscape (specify) \_\_\_\_\_ \$ \_\_\_\_\_
12. Total additional costs \$ 675
  13. Total functional replacement cost (line 11 + line 12) \$ 2,979
  14. Rounded \$ 2,980

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# Functional Replacement Method Trunk Formula Technique

Client name Pompano Fishing Village R3 Date 1/25/21 Case # 14

Phone \_\_\_\_\_ E-mail \_\_\_\_\_

Address 215-255 N Pompano Beach Blvd, Pompano Beach, Florida

## Subject tree

Species Gumbo Limbo (*Phoenix dactylifera*)

1. Trunk diameter\* (D) 7" DBH @ 4'
2. Cross-sectional area (line 1)<sup>2</sup> × 0.7854 = 38 in<sup>2</sup>
3. Condition rating 55 %  
Health \_\_\_\_\_  
Structure \_\_\_\_\_  
Form \_\_\_\_\_
4. Functional limitations \_\_\_\_\_ 80 %
5. External limitations \_\_\_\_\_ 100 %

## Functional replacement tree

Species Gumbo Limbo (*Phoenix dactylifera*)

6. Size (specify diameter or height) 3" Diameter
7. If diameter, cross-sectional area (line 6)<sup>2</sup> × 0.7854 = 7 in<sup>2</sup>
8. Functional replacement tree cost Source: Market average on Plantant.com \$ 342

## Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 48.34
10. Basic functional replacement cost (line 2 × line 9) \$ 1,860.15
11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)  
(where depreciation is appropriate) \$ 818.47

## Additional costs

- Cleanup \_\_\_\_\_ \$ 341.66
- Replacement tree installation \_\_\_\_\_ \$ \_\_\_\_\_
- Aftercare \_\_\_\_\_ \$ \_\_\_\_\_
- Hardscape (specify) \_\_\_\_\_ \$ \_\_\_\_\_
12. Total additional costs \$ 341.66
  13. Total functional replacement cost (line 11 + line 12) \$ 1,160.13
  14. Rounded \$ 1,160

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# Functional Replacement Method Trunk Formula Technique

Client name Pompano Fishing Village R3 Date 1/25/21 Case # 15

Phone \_\_\_\_\_ E-mail \_\_\_\_\_

Address 215-255 N Pompano Beach Blvd, Pompano Beach, Florida

## Subject tree

Species Gumbo Limbo (*Phoenix dactylifera*)

1. Trunk diameter\* (D) 7" DBH @ 4'
2. Cross-sectional area (line 1)<sup>2</sup> × 0.7854 = 38 in<sup>2</sup>
3. Condition rating 55 %  
Health \_\_\_\_\_  
Structure \_\_\_\_\_  
Form \_\_\_\_\_
4. Functional limitations \_\_\_\_\_ 80 %
5. External limitations \_\_\_\_\_ 100 %

## Functional replacement tree

Species Gumbo Limbo (*Phoenix dactylifera*)

6. Size (specify diameter or height) 3" Diameter
7. If diameter, cross-sectional area (line 6)<sup>2</sup> × 0.7854 = 7 in<sup>2</sup>
8. Functional replacement tree cost Source: Market average on Plantant.com \$ 342

## Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 48.34
10. Basic functional replacement cost (line 2 × line 9) \$ 1,860.15
11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)  
(where depreciation is appropriate) \$ 818.47

## Additional costs

- Cleanup \_\_\_\_\_ \$ 341.66
- Replacement tree installation \_\_\_\_\_ \$ \_\_\_\_\_
- Aftercare \_\_\_\_\_ \$ \_\_\_\_\_
- Hardscape (specify) \_\_\_\_\_ \$ \_\_\_\_\_
12. Total additional costs \$ 341.66
  13. Total functional replacement cost (line 11 + line 12) \$ 1,160.13
  14. Rounded \$ 1,160

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# Functional Replacement Method

## Trunk Formula Technique

Client name Pompano Fishing Village R3 Date 1/25/21 Case # 15a

Phone \_\_\_\_\_ E-mail \_\_\_\_\_

Address 215-255 N Pompano Beach Blvd, Pompano Beach, Florida

### Subject tree

Species Gumbo Limbo (*Phoenix dactylifera*)

1. Trunk diameter\* (D) 8" DBH @ 4'
2. Cross-sectional area (line 1)<sup>2</sup> × 0.7854 = 50 in<sup>2</sup>
3. Condition rating 55 %  
 Health \_\_\_\_\_  
 Structure \_\_\_\_\_  
 Form \_\_\_\_\_
4. Functional limitations \_\_\_\_\_ 80 %
5. External limitations \_\_\_\_\_ 100 %

### Functional replacement tree

Species Gumbo Limbo (*Phoenix dactylifera*)

6. Size (specify diameter or height) 3" Diameter
7. If diameter, cross-sectional area (line 6)<sup>2</sup> × 0.7854 = 7 in<sup>2</sup>
8. Functional replacement tree cost Source: Market average on Plantant.com \$ 342

### Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 48.34
10. Basic functional replacement cost (line 2 × line 9) \$ 2,429.58
11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)  
(where depreciation is appropriate) \$ 1,069.02

### Additional costs

- Cleanup \_\_\_\_\_ \$ 341.66
- Replacement tree installation \_\_\_\_\_ \$ \_\_\_\_\_
- Aftercare \_\_\_\_\_ \$ \_\_\_\_\_
- Hardscape (specify) \_\_\_\_\_ \$ \_\_\_\_\_
12. Total additional costs \$ 341.66
  13. Total functional replacement cost (line 11 + line 12) \$ 1,410.68
  14. Rounded \$ 1,410

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# Functional Replacement Method Trunk Formula Technique

Client name Pompano Fishing Village R3 Date 1/25/21 Case # 16

Phone \_\_\_\_\_ E-mail \_\_\_\_\_

Address 215-255 N Pompano Beach Blvd, Pompano Beach, Florida

## Subject tree

Species Green Buttonwood (*Conocarpus erectus*)

1. Trunk diameter\* (D) 5" DBH @ 4'
2. Cross-sectional area (line 1)<sup>2</sup> × 0.7854 = 20 in<sup>2</sup>
3. Condition rating 60 %  
Health \_\_\_\_\_  
Structure \_\_\_\_\_  
Form \_\_\_\_\_
4. Functional limitations \_\_\_\_\_ 80 %
5. External limitations \_\_\_\_\_ 100 %

## Functional replacement tree

Species Green Buttonwood (*Conocarpus erectus*)

6. Size (specify diameter or height) 3" Diameter
7. If diameter, cross-sectional area (line 6)<sup>2</sup> × 0.7854 = 7 in<sup>2</sup>
8. Functional replacement tree cost Source: Market average on Plantant.com \$ 675

## Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 95.49
10. Basic functional replacement cost (line 2 × line 9) \$ 1,875
11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)  
(where depreciation is appropriate) \$ 900

## Additional costs

- Cleanup \_\_\_\_\_ \$ 675
- Replacement tree installation \_\_\_\_\_ \$ \_\_\_\_\_
- Aftercare \_\_\_\_\_ \$ \_\_\_\_\_
- Hardscape (specify) \_\_\_\_\_ \$ \_\_\_\_\_
12. Total additional costs \$ 675
  13. Total functional replacement cost (line 11 + line 12) \$ 1,575
  14. Rounded \$ 1,575

# P&Z

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