

Functional Replacement Method Trunk Formula Technique

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

Subject tree

Species Coconut Palm (Cocos nucifera)

1. Trunk diameter* (D) _____ @ 16' CT
2. Cross-sectional area (line 1)² × 0.7854 = n/a in²
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)² × 0.7854 = n/a in²
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)² × 0.7854 = n/a in²

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)² × 0.7854 = n/a in²

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) _____ @ <u>19' CT</u> | |
| 2. Cross-sectional area (line 1) ² × 0.7854 = | <u>n/a</u> in ² |
| 3. Condition rating | <u>50</u> % |
| Health _____ | |
| Structure _____ | |
| Form _____ | |
| 4. Functional limitations _____ | <u>100</u> % |
| 5. External limitations _____ | <u>100</u> % |

Functional replacement tree

Species Coconut Palm (Cocos nucifera)

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

Calculations

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

Additional costs

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

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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)² × 0.7854 = n/a in²

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)² × 0.7854 = n/a in²

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)² × 0.7854 = n/a in²
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)² × 0.7854 = n/a in²
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)² × 0.7854 = n/a in²

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)² × 0.7854 = n/a in²

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

Functional replacement tree

Species Medjool Date Palm (*Phoenix dactylifera*)

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

Calculations

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

Additional costs

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

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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)² × 0.7854 = _____ n/a in²

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)² × 0.7854 = _____ n/a in²

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)² × 0.7854 = _____ n/a in²

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)² × 0.7854 = _____ n/a in²

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)² × 0.7854 = n/a in²

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)² × 0.7854 = n/a in²

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

Functional replacement tree

Species Gumbo Limbo (*Phoenix dactylifera*)

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

Calculations

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

Additional costs

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

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

Functional replacement tree

Species Green Buttonwood (*Conocarpus erectus*)

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

Calculations

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

Additional costs

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

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

Functional replacement tree

Species Gumbo Limbo (*Phoenix dactylifera*)

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

Calculations

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

Additional costs

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

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

Functional replacement tree

Species Gumbo Limbo (*Phoenix dactylifera*)

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

Calculations

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

Additional costs

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



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

Functional replacement tree

Species Gumbo Limbo (*Phoenix dactylifera*)

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

Calculations

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

Additional costs

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

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

Functional replacement tree

Species Green Buttonwood (*Conocarpus erectus*)

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

Calculations

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

Additional costs

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

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