

Functional Replacement Method Trunk Formula Technique

Client name Soleste Pompano Date 3/9/22 Case # 1

Phone _____ E-mail _____

Address 2190 NE 4 Street, Pompano Beach, Florida

Subject tree

Species Mahogany (*Swietenia mahagoni*)

1. Trunk diameter* (D) 14" @ DBH
2. Cross-sectional area (line 1)² × 0.7854 = 154 in²
3. Condition rating 45 %
Health _____
Structure Awkward scaffolding structure
Form _____
4. Functional limitations _____ 60 %
5. External limitations _____ 100 %

Functional replacement tree

Species Mahogany (*Swietenia mahagoni*)

6. Size (specify diameter or height) Diameter 4"
7. If diameter, cross-sectional area (line 6)² × 0.7854 = 13 in²
8. Functional replacement tree cost Source: Market average on Plantant.com \$ 542

Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 43.10
10. Basic functional replacement cost (line 2 × line 9) \$ 6,635.42
11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)
(where depreciation is appropriate) \$ 1,791.56

Additional costs

- Cleanup _____ \$ 541.67
- Replacement tree installation _____ \$ _____
- Aftercare _____ \$ _____
- Hardscape (specify) _____ \$ _____
12. Total additional costs \$ 541.67
 13. Total functional replacement cost (line 11 + line 12) \$ 2,333.23
 14. Rounded \$ 2,330

DRC

PZ21-12000041

4/20/2022

Functional Replacement Method Trunk Formula Technique

Client name Soleste Pompano Date 3/9/22 Case # 2
Phone _____ E-mail _____
Address 2190 NE 4 Street, Pompano Beach, Florida

Subject tree

Species Mahogany (*Swietenia mahagoni*)

1. Trunk diameter* (D) 15" @ DBH

2. Cross-sectional area (line 1)² × 0.7854 = 177 in²

3. Condition rating 50 %

Health _____

Structure Awkward crotching; high amount of dead wood

Form _____

4. Functional limitations 60 %

5. External limitations 100 %

Functional replacement tree

Species Mahogany (*Swietenia mahagoni*)

6. Size (specify diameter or height) Diameter 4"

7. If diameter, cross-sectional area (line 6)² × 0.7854 = 13 in²

8. Functional replacement tree cost Source: Market average on Plantant.com \$ 542

Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 43.10

10. Basic functional replacement cost (line 2 × line 9) \$ 7,617.19

11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)
(where depreciation is appropriate) \$ 2,285.16

Additional costs

Cleanup _____ \$ 541.67

Replacement tree installation _____ \$ _____

Aftercare _____ \$ _____

Hardscape (specify) _____ \$ _____

12. Total additional costs \$ 541.67

13. Total functional replacement cost (line 11 + line 12) \$ 2,826.82

14. Rounded \$ 2,830

DRC

PZ21-12000041

4/20/2022

Functional Replacement Method Trunk Formula Technique

Client name Soleste Pompano Date 3/9/22 Case # 3
Phone _____ E-mail _____
Address 2190 NE 4 Street, Pompano Beach, Florida

Subject tree

Species Mahogany (*Swietenia mahagoni*)
1. Trunk diameter* (D) 19" @ DBH
2. Cross-sectional area (line 1)² × 0.7854 = 284 in²
3. Condition rating 45 %
Health _____
Structure No central leader; overhead utility line in conflict on north side
Form Multiple leaders converging at a common point on the trunk resulting in
awkward attachment points
4. Functional limitations 60 %
5. External limitations 100 %

Functional replacement tree

Species Mahogany (*Swietenia mahagoni*)
6. Size (specify diameter or height) Diameter 4"
7. If diameter, cross-sectional area (line 6)² × 0.7854 = 13 in²
8. Functional replacement tree cost Source: Market average on Plantant.com \$ 542

Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 43.10
10. Basic functional replacement cost (line 2 × line 9) \$ 12,221.35
11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)
(where depreciation is appropriate) \$ 3,299.77

Additional costs

Cleanup _____ \$ 541.67
Replacement tree installation _____ \$ _____
Aftercare _____ \$ _____
Hardscape (specify) _____ \$ _____
12. Total additional costs \$ 541.67
13. Total functional replacement cost (line 11 + line 12) \$ 3,841.43
14. Rounded \$ 3,840

DRC

PZ21-12000041

4/20/2022

Functional Replacement Method Trunk Formula Technique

Client name Soleste Pompano Date 3/9/22 Case # 10

Phone _____ E-mail _____

Address 2190 NE 4 Street, Pompano Beach, Florida

Subject tree

Species Gumbo Limbo (*Busera simaruba*)

1. Trunk diameter* (D) 7" @ DBH

2. Cross-sectional area (line 1)² × 0.7854 = 38 in²

3. Condition rating 20 %

Health _____

Structure Tree abuts building resulting in root and canopy deformity

Form _____

4. Functional limitations _____ 60 %

5. External limitations _____ 100 %

Functional replacement tree

Species Gumbo Limbo (*Busera simaruba*)

6. Size (specify diameter or height) Diameter 3"

7. If diameter, cross-sectional area (line 6)² × 0.7854 = 7 in²

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) \$ 223.22

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) \$ 564.88

14. Rounded \$ 565

DRC

PZ21-12000041

4/20/2022

Functional Replacement Method Trunk Formula Technique

Client name Soleste Pompano Date 3/9/22 Case # 11
Phone _____ E-mail _____
Address 2190 NE 4 Street, Pompano Beach, Florida

Subject tree

Species Gumbo Limbo (*Busera simaruba*)
1. Trunk diameter* (D) 12 @ DBH
2. Cross-sectional area (line 1)² × 0.7854 = 113 in²
3. Condition rating 60 %
Health _____
Structure Canopy slightly out of balance due to building conflict on west side; pruning can repair; tree has relocation potential
Form Structure typical of species
4. Functional limitations 60 %
5. External limitations 100 %

Functional replacement tree

Species Gumbo Limbo (*Busera simaruba*)
6. Size (specify diameter or height) Diameter 3"
7. If diameter, cross-sectional area (line 6)² × 0.7854 = 7 in²
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) \$ 5,466.56
11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)
(where depreciation is appropriate) \$ 1,967.96

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) \$ 2,309.64
14. Rounded \$ 2,310

DRC

PZ21-12000041

4/20/2022

Functional Replacement Method Trunk Formula Technique

Client name Soleste Pompano Date 3/9/22 Case # 12
Phone _____ E-mail _____
Address 2190 NE 4 Street, Pompano Beach, Florida

Subject tree

Species Gumbo Limbo (*Busera simaruba*)
1. Trunk diameter* (D) 5 @ DBH
2. Cross-sectional area (line 1)² × 0.7854 = 20 in²
3. Condition rating 20 %
Health _____
Structure Awkward spindly structure with lean to the east
Form _____
4. Functional limitations 80 %
5. External limitations 100 %

Functional replacement tree

Species Gumbo Limbo (*Busera simaruba*)
6. Size (specify diameter or height) Diameter 3"
7. If diameter, cross-sectional area (line 6)² × 0.7854 = 7 in²
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) \$ 949.06
11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)
(where depreciation is appropriate) \$ 151.85

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) \$ 493.51
14. Rounded \$ 490

DRC

PZ21-12000041

4/20/2022

Functional Replacement Method Trunk Formula Technique

Client name Soleste Pompano Date 3/9/22 Case # 13
Phone _____ E-mail _____
Address 2190 NE 4 Street, Pompano Beach, Florida

Subject tree

Species Coconut Palm (*Cocos nucifera*)
1. Trunk diameter* (D) 8 @ 12'CT 21'OA
2. Cross-sectional area (line 1)² × 0.7854 = n/a in²
3. Condition rating 25 %
Health Atrophied/chlorotic canopies
Structure Inconsistent trunk diameter resulting in undesirable qualities
Form Weedeater damage at base
4. Functional limitations 60 %
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 \$ 300

Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 25 per foot CT
10. Basic functional replacement cost (line 2 × line 9) \$ 300
11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)
(where depreciation is appropriate) \$ 45

Additional costs

Cleanup _____ \$ 300
Replacement tree installation _____ \$ _____
Aftercare _____ \$ _____
Hardscape (specify) _____ \$ _____
12. Total additional costs \$ 300
13. Total functional replacement cost (line 11 + line 12) \$ 345
14. Rounded \$ 345

DRC

PZ21-12000041

4/20/2022

Functional Replacement Method Trunk Formula Technique

Client name Soleste Pompano Date 3/9/22 Case # 14

Phone _____ E-mail _____

Address 2190 NE 4 Street, Pompano Beach, Florida

Subject tree

Species Coconut Palm (*Cocos nucifera*)

1. Trunk diameter* (D) 9 @ 12'CT 22'OA

2. Cross-sectional area (line 1)² × 0.7854 = n/a in²

3. Condition rating 25 %

Health Atrophied/chlorotic canopies

Structure Inconsistent trunk diameter resulting in undesirable qualities

Form Weedeater damage at base

4. Functional limitations 60 %

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 \$ 300

Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 25 per foot CT

10. Basic functional replacement cost (line 2 × line 9) \$ 300

11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)
(where depreciation is appropriate) \$ 45

Additional costs

Cleanup _____ \$ 300

Replacement tree installation _____ \$ _____

Aftercare _____ \$ _____

Hardscape (specify) _____ \$ _____

12. Total additional costs \$ 300

13. Total functional replacement cost (line 11 + line 12) \$ 345

14. Rounded \$ 345

DRC

PZ21-12000041

4/20/2022

Functional Replacement Method Trunk Formula Technique

Client name Soleste Pompano Date 3/9/22 Case # 15
Phone _____ E-mail _____
Address 2190 NE 4 Street, Pompano Beach, Florida

Subject tree

Species Coconut Palm (*Cocos nucifera*)
1. Trunk diameter* (D) 9 @ 12'CT 22'OA
2. Cross-sectional area (line 1)² × 0.7854 = n/a in²
3. Condition rating 25 %
Health Atrophied/chlorotic canopies
Structure Inconsistent trunk diameter resulting in undesirable qualities
Form Weedeater damage at base
4. Functional limitations 60 %
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 \$ 300

Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 25 per foot CT
10. Basic functional replacement cost (line 2 × line 9) \$ 300
11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)
(where depreciation is appropriate) \$ 45

Additional costs

Cleanup _____ \$ 300
Replacement tree installation _____ \$ _____
Aftercare _____ \$ _____
Hardscape (specify) _____ \$ _____
12. Total additional costs \$ 300
13. Total functional replacement cost (line 11 + line 12) \$ 345
14. Rounded \$ 345

DRC

PZ21-12000041

4/20/2022

Functional Replacement Method Trunk Formula Technique

Client name Soleste Pompano Date 3/9/22 Case # 22
Phone _____ E-mail _____
Address 2190 NE 4 Street, Pompano Beach, Florida

Subject tree

Species Sabal Palm (*Sabal palmetto*)

1. Trunk diameter* (D) 10 @ 3'CT 16'OA

2. Cross-sectional area (line 1)² × 0.7854 = n/a in²

3. Condition rating 55 %

Health _____

Structure _____

Form _____

4. Functional limitations 80 %

5. External limitations 100 %

Functional replacement tree

Species Sabal Palm (*Sabal palmetto*)

6. Size (specify diameter or height) 6CT 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 \$ 83

Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 13.75 per foot CT

10. Basic functional replacement cost (line 2 × line 9) \$ 41.25

11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)
(where depreciation is appropriate) \$ 18.15

Additional costs

Cleanup _____ \$ 82.50

Replacement tree installation _____ \$ _____

Aftercare _____ \$ _____

Hardscape (specify) _____ \$ _____

12. Total additional costs \$ 82.50

13. Total functional replacement cost (line 11 + line 12) \$ 100.65

14. Rounded \$ 100

DRC

PZ21-12000041

4/20/2022

Functional Replacement Method Trunk Formula Technique

Client name Soleste Pompano Date 3/9/22 Case # 26
Phone _____ E-mail _____
Address 2190 NE 4 Street, Pompano Beach, Florida

Subject tree

Species Sabal Palm (*Sabal palmetto*)

1. Trunk diameter* (D) 10 @ 6'CT 19'OA

2. Cross-sectional area (line 1)² × 0.7854 = n/a in²

3. Condition rating 55 %

Health _____

Structure _____

Form _____

4. Functional limitations 80 %

5. External limitations 100 %

Functional replacement tree

Species Sabal Palm (*Sabal palmetto*)

6. Size (specify diameter or height) 6CT 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 \$ 165

Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 27.50 per foot CT

10. Basic functional replacement cost (line 2 × line 9) \$ 165

11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)
(where depreciation is appropriate) \$ 72.60

Additional costs

Cleanup _____ \$ 165

Replacement tree installation _____ \$ _____

Aftercare _____ \$ _____

Hardscape (specify) _____ \$ _____

12. Total additional costs \$ 165

13. Total functional replacement cost (line 11 + line 12) \$ 237.60

14. Rounded \$ 240

DRC

PZ21-12000041
4/20/2022

Functional Replacement Method Trunk Formula Technique

Client name Soleste Pompano Date 3/9/22 Case # 27
Phone _____ E-mail _____
Address 2190 NE 4 Street, Pompano Beach, Florida

Subject tree

Species Sabal Palm (*Sabal palmetto*)

1. Trunk diameter* (D) 10 @ 3'CT 16'OA

2. Cross-sectional area (line 1)² × 0.7854 = n/a in²

3. Condition rating 55 %

Health _____

Structure _____

Form _____

4. Functional limitations 80 %

5. External limitations 100 %

Functional replacement tree

Species Sabal Palm (*Sabal palmetto*)

6. Size (specify diameter or height) 6CT 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 \$ 83

Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 13.75 per foot CT

10. Basic functional replacement cost (line 2 × line 9) \$ 41.25

11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)
(where depreciation is appropriate) \$ 18.15

Additional costs

Cleanup _____ \$ 82.50

Replacement tree installation _____ \$ _____

Aftercare _____ \$ _____

Hardscape (specify) _____ \$ _____

12. Total additional costs \$ 82.50

13. Total functional replacement cost (line 11 + line 12) \$ 100.65

14. Rounded \$ 100

DRC

PZ21-12000041
4/20/2022

Functional Replacement Method Trunk Formula Technique

Client name Soleste Pompano Date 3/9/22 Case # 28
Phone _____ E-mail _____
Address 2190 NE 4 Street, Pompano Beach, Florida

Subject tree

Species Sabal Palm double (*Sabal palmetto*)

1. Trunk diameter* (D) 12 @ 2'CT 14'OA

2. Cross-sectional area (line 1)² × 0.7854 = n/a in²

3. Condition rating 55 %

Health _____

Structure _____

Form _____

4. Functional limitations 80 %

5. External limitations 100 %

Functional replacement tree

Species Sabal Palm double (*Sabal palmetto*)

6. Size (specify diameter or height) 6CT 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 \$ 55

Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 9.17 per foot CT

10. Basic functional replacement cost (line 2 × line 9) \$ 18.33

11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)
(where depreciation is appropriate) \$ 8.07

Additional costs

Cleanup _____ \$ 55

Replacement tree installation _____ \$ _____

Aftercare _____ \$ _____

Hardscape (specify) _____ \$ _____

12. Total additional costs \$ 55

13. Total functional replacement cost (line 11 + line 12) \$ 63.07

14. Rounded \$ 65

DRC

PZ21-12000041

4/20/2022

Functional Replacement Method Trunk Formula Technique

Client name Soleste Pompano Date 3/9/22 Case # 29
Phone _____ E-mail _____
Address 2190 NE 4 Street, Pompano Beach, Florida

Subject tree

Species Sabal Palm double (*Sabal palmetto*)

1. Trunk diameter* (D) 12 @ 2'CT 14'OA

2. Cross-sectional area (line 1)² × 0.7854 = n/a in²

3. Condition rating 55 %

Health _____

Structure _____

Form _____

4. Functional limitations 80 %

5. External limitations 100 %

Functional replacement tree

Species Sabal Palm double (*Sabal palmetto*)

6. Size (specify diameter or height) 6CT 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 \$ 55

Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 9.17 per foot CT

10. Basic functional replacement cost (line 2 × line 9) \$ 18.33

11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)
(where depreciation is appropriate) \$ 8.07

Additional costs

Cleanup _____ \$ 55

Replacement tree installation _____ \$ _____

Aftercare _____ \$ _____

Hardscape (specify) _____ \$ _____

12. Total additional costs \$ 55

13. Total functional replacement cost (line 11 + line 12) \$ 63.07

14. Rounded \$ 65

DRC

PZ21-12000041

4/20/2022

Functional Replacement Method Trunk Formula Technique

Client name Soleste Pompano Date 3/9/22 Case # 37
Phone _____ E-mail _____
Address 2190 NE 4 Street, Pompano Beach, Florida

Subject tree

Species Royal Palm (*Roystonea regia*)

1. Trunk diameter* (D) 9 @ _____

2. Cross-sectional area (line 1)² × 0.7854 = _____ n/a in²

3. Condition rating _____ 0 %

Health dead

Structure _____

Form _____

4. Functional limitations _____ 0 %

5. External limitations _____ 0 %

Functional replacement tree

Species Royal Palm (*Roystonea regia*)

6. Size (specify diameter or height) _____

7. If diameter, cross-sectional area (line 6)² × 0.7854 = _____ in²

8. Functional replacement tree cost Source: Market average on Plantant.com \$ _____

Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ _____

10. Basic functional replacement cost (line 2 × line 9) \$ _____

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

Additional costs

Cleanup _____ \$ _____

Replacement tree installation _____ \$ _____

Aftercare _____ \$ _____

Hardscape (specify) _____ \$ _____

12. Total additional costs \$ _____

13. Total functional replacement cost (line 11 + line 12) \$ _____

14. Rounded \$ _____

DRC

PZ21-12000041

4/20/2022

Functional Replacement Method Trunk Formula Technique

Client name Soleste Pompano Date 3/9/22 Case # 38
Phone _____ E-mail _____
Address 2190 NE 4 Street, Pompano Beach, Florida

Subject tree

Species Royal Palm (*Roystonea regia*)

1. Trunk diameter* (D) 10 @ 23'CT 30'OA

2. Cross-sectional area (line 1)² × 0.7854 = n/a in²

3. Condition rating 25 %

Health _____

Structure _____

Form _____

4. Functional limitations _____ 60 %

5. External limitations _____ 100 %

Functional replacement tree

Species Royal Palm (*Roystonea regia*)

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 \$ 1,572

Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 130.97 per foot CT

10. Basic functional replacement cost (line 2 × line 9) \$ 3,012.36

11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)
(where depreciation is appropriate) \$ 451.85

Additional costs

Cleanup _____ \$ 1,571.67

Replacement tree installation _____ \$ _____

Aftercare _____ \$ _____

Hardscape (specify) _____ \$ _____

12. Total additional costs \$ 1,571.67

13. Total functional replacement cost (line 11 + line 12) \$ 2,023.52

14. Rounded \$ 2,020

DRC

PZ21-12000041

4/20/2022

Functional Replacement Method Trunk Formula Technique

Client name Soleste Pompano Date 3/9/22 Case # 39
Phone _____ E-mail _____
Address 2190 NE 4 Street, Pompano Beach, Florida

Subject tree

Species Royal Palm (*Roystonea regia*)

1. Trunk diameter* (D) 14 @ 21'CT 31'OA

2. Cross-sectional area (line 1)² × 0.7854 = n/a in²

3. Condition rating 25 %

Health _____

Structure _____

Form _____

4. Functional limitations _____ 60 %

5. External limitations _____ 100 %

Functional replacement tree

Species Royal Palm (*Roystonea regia*)

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 \$ 1,435

Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 119.58 per foot CT

10. Basic functional replacement cost (line 2 × line 9) \$ 2,511.25

11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)
(where depreciation is appropriate) \$ 376.69

Additional costs

Cleanup _____ \$ 1,435

Replacement tree installation _____ \$ _____

Aftercare _____ \$ _____

Hardscape (specify) _____ \$ _____

12. Total additional costs \$ 1,435

13. Total functional replacement cost (line 11 + line 12) \$ 1,811.69

14. Rounded \$ 1,800

DRC

PZ21-12000041

4/20/2022

Functional Replacement Method Trunk Formula Technique

Client name Soleste Pompano Date 3/9/22 Case # 41
Phone _____ E-mail _____
Address 2190 NE 4 Street, Pompano Beach, Florida

Subject tree

Species Royal Palm (*Roystonea regia*)

1. Trunk diameter* (D) 12 @ 34'CT 44'OA

2. Cross-sectional area (line 1)² × 0.7854 = n/a in²

3. Condition rating 35 %

Health _____

Structure _____

Form _____

4. Functional limitations 60 %

5. External limitations 100 %

Functional replacement tree

Species Royal Palm (*Roystonea regia*)

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 \$ 2,323

Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 193.61 per foot CT

10. Basic functional replacement cost (line 2 × line 9) \$ 6,582.78

11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)
(where depreciation is appropriate) \$ 1,382.38

Additional costs

Cleanup _____ \$ 2,323.33

Replacement tree installation _____ \$ _____

Aftercare _____ \$ _____

Hardscape (specify) _____ \$ _____

12. Total additional costs \$ 2,323.33

13. Total functional replacement cost (line 11 + line 12) \$ 3,705.72

14. Rounded \$ 3,700

DRC

PZ21-12000041

4/20/2022

Functional Replacement Method Trunk Formula Technique

Client name Soleste Pompano Date 3/9/22 Case # 42
Phone _____ E-mail _____
Address 2190 NE 4 Street, Pompano Beach, Florida

Subject tree

Species Royal Palm (*Roystonea regia*)

1. Trunk diameter* (D) 15 @ 28'CT 33'OA

2. Cross-sectional area (line 1)² × 0.7854 = n/a in²

3. Condition rating 40 %

Health _____

Structure _____

Form _____

4. Functional limitations 50 %

5. External limitations 100 %

Functional replacement tree

Species Royal Palm (*Roystonea regia*)

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 \$ 1,913

Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 159.44 per foot CT

10. Basic functional replacement cost (line 2 × line 9) \$ 4,464.44

11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)
(where depreciation is appropriate) \$ 829.89

Additional costs

Cleanup _____ \$ 1,913.33

Replacement tree installation _____ \$ _____

Aftercare _____ \$ _____

Hardscape (specify) _____ \$ _____

12. Total additional costs \$ 1,913.33

13. Total functional replacement cost (line 11 + line 12) \$ 2,806.22

14. Rounded \$ 5,810

DRC

PZ21-12000041

4/20/2022

Functional Replacement Method Trunk Formula Technique

Client name Soleste Pompano Date 3/9/22 Case # 43

Phone _____ E-mail _____

Address 2190 NE 4 Street, Pompano Beach, Florida

Subject tree

Species Sabal Palm (*Sabal palmetto*)

1. Trunk diameter* (D) 13 @ 20'CT 26'OA
2. Cross-sectional area (line 1)² × 0.7854 = n/a in²
3. Condition rating 50 %
Health _____
Structure _____
Form Adjacent property
4. Functional limitations _____ 80 %
5. External limitations _____ 100 %

Functional replacement tree

Species Sabal Palm (*Sabal palmetto*)

6. Size (specify diameter or height) 6CT 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 \$ 550

Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 91.67 per foot CT
10. Basic functional replacement cost (line 2 × line 9) \$ 1,833.33
11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)
(where depreciation is appropriate) \$ 733.33

Additional costs

- Cleanup _____ \$ 550
- Replacement tree installation _____ \$ _____
- Aftercare _____ \$ _____
- Hardscape (specify) _____ \$ _____
12. Total additional costs \$ 550
 13. Total functional replacement cost (line 11 + line 12) \$ 1,283.33
 14. Rounded \$ 1,280

DRC

PZ21-12000041
4/20/2022

Functional Replacement Method Trunk Formula Technique

Client name Soleste Pompano Date 3/9/22 Case # 44

Phone _____ E-mail _____

Address 2190 NE 4 Street, Pompano Beach, Florida

Subject tree

Species Sabal Palm (*Sabal palmetto*)

1. Trunk diameter* (D) 14 @ 16'CT 24'OA
2. Cross-sectional area (line 1)² × 0.7854 = n/a in²
3. Condition rating 50 %
Health _____
Structure _____
Form Adjacent property
4. Functional limitations _____ 80 %
5. External limitations _____ 100 %

Functional replacement tree

Species Sabal Palm (*Sabal palmetto*)

6. Size (specify diameter or height) 6CT 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 \$ 440

Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 73.33 per foot CT
10. Basic functional replacement cost (line 2 × line 9) \$ 1,173.33
11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)
(where depreciation is appropriate) \$ 469.33

Additional costs

- Cleanup _____ \$ 440
- Replacement tree installation _____ \$ _____
- Aftercare _____ \$ _____
- Hardscape (specify) _____ \$ _____
12. Total additional costs \$ 440
 13. Total functional replacement cost (line 11 + line 12) \$ 909.33
 14. Rounded \$ 910

DRC

PZ21-12000041
4/20/2022

Functional Replacement Method Trunk Formula Technique

Client name Soleste Pompano Date 3/9/22 Case # 47
Phone _____ E-mail _____
Address 2190 NE 4 Street, Pompano Beach, Florida

Subject tree

Species Sabal Palm (*Sabal palmetto*)
1. Trunk diameter* (D) 14 @ 19'CT 26'OA
2. Cross-sectional area (line 1)² × 0.7854 = n/a in²
3. Condition rating 50 %
Health _____
Structure _____
Form On property line
4. Functional limitations 80 %
5. External limitations 100 %

Functional replacement tree

Species Sabal Palm (*Sabal palmetto*)
6. Size (specify diameter or height) 6CT 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 \$ 523

Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 87.08 per foot CT
10. Basic functional replacement cost (line 2 × line 9) \$ 1,654.58
11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)
(where depreciation is appropriate) \$ 661.83

Additional costs

Cleanup _____ \$ 552.50
Replacement tree installation _____ \$ _____
Aftercare _____ \$ _____
Hardscape (specify) _____ \$ _____
12. Total additional costs \$ 552.50
13. Total functional replacement cost (line 11 + line 12) \$ 1,184.33
14. Rounded \$ 1,180

DRC

PZ21-12000041

4/20/2022

Functional Replacement Method Trunk Formula Technique

Client name Soleste Pompano Date 3/9/22 Case # 49
Phone _____ E-mail _____
Address 2190 NE 4 Street, Pompano Beach, Florida

Subject tree

Species Sabal Palm (*Sabal palmetto*)

1. Trunk diameter* (D) _____ @ 1'CT 9'OA

2. Cross-sectional area (line 1)² × 0.7854 = n/a in²

3. Condition rating 55 %

Health _____

Structure _____

Form _____

4. Functional limitations _____ 0 %

5. External limitations _____ 100 %

Functional replacement tree

Species Sabal Palm (*Sabal palmetto*)

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 \$ _____

Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ _____

10. Basic functional replacement cost (line 2 × line 9) \$ _____

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

Additional costs

Cleanup _____ \$ _____

Replacement tree installation _____ \$ _____

Aftercare _____ \$ _____

Hardscape (specify) _____ \$ _____

12. Total additional costs \$ _____

13. Total functional replacement cost (line 11 + line 12) \$ _____

14. Rounded \$ _____

DRC

PZ21-12000041

4/20/2022

Functional Replacement Method Trunk Formula Technique

Client name Soleste Pompano Date 3/9/22 Case # 50
Phone _____ E-mail _____
Address 2190 NE 4 Street, Pompano Beach, Florida

Subject tree

Species Sabal Palm (*Sabal palmetto*)

1. Trunk diameter* (D) 12 @ 4'CT 16'OA

2. Cross-sectional area (line 1)² × 0.7854 = n/a in²

3. Condition rating 55 %

Health _____

Structure _____

Form _____

4. Functional limitations 80 %

5. External limitations 100 %

Functional replacement tree

Species Sabal Palm (*Sabal palmetto*)

6. Size (specify diameter or height) 6CT 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 \$ 110

Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 18.33 per foot CT

10. Basic functional replacement cost (line 2 × line 9) \$ 73.33

11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)
(where depreciation is appropriate) \$ 32.27

Additional costs

Cleanup _____ \$ 110

Replacement tree installation _____ \$ _____

Aftercare _____ \$ _____

Hardscape (specify) _____ \$ _____

12. Total additional costs \$ 110

13. Total functional replacement cost (line 11 + line 12) \$ 142.27

14. Rounded \$ 140

DRC

PZ21-12000041

4/20/2022

Functional Replacement Method Trunk Formula Technique

Client name Soleste Pompano Date 3/9/22 Case # 55
Phone _____ E-mail _____
Address 2190 NE 4 Street, Pompano Beach, Florida

Subject tree

Species Sabal Palm (*Sabal palmetto*)

1. Trunk diameter* (D) 12 @ 10'CT 19'OA

2. Cross-sectional area (line 1)² × 0.7854 = n/a in²

3. Condition rating 50 %

Health _____

Structure _____

Form Adjacent property

4. Functional limitations _____ 80 %

5. External limitations _____ 100 %

Functional replacement tree

Species Sabal Palm (*Sabal palmetto*)

6. Size (specify diameter or height) 6CT 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 \$ 275

Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 45.83 per foot CT

10. Basic functional replacement cost (line 2 × line 9) \$ 458.33

11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)
(where depreciation is appropriate) \$ 183.33

Additional costs

Cleanup _____ \$ 275

Replacement tree installation _____ \$ _____

Aftercare _____ \$ _____

Hardscape (specify) _____ \$ _____

12. Total additional costs \$ 275

13. Total functional replacement cost (line 11 + line 12) \$ 458.33

14. Rounded \$ 460

DRC

PZ21-12000041
4/20/2022

Functional Replacement Method Trunk Formula Technique

Client name Soleste Pompano Date 3/9/22 Case # 56
Phone _____ E-mail _____
Address 2190 NE 4 Street, Pompano Beach, Florida

Subject tree

Species Sabal Palm (*Sabal palmetto*)

1. Trunk diameter* (D) 12 @ 12'CT 20'OA

2. Cross-sectional area (line 1)² × 0.7854 = n/a in²

3. Condition rating 50 %

Health _____

Structure _____

Form Adjacent property

4. Functional limitations _____ 80 %

5. External limitations _____ 100 %

Functional replacement tree

Species Sabal Palm (*Sabal palmetto*)

6. Size (specify diameter or height) 6CT 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 \$ 330

Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 55 per foot CT

10. Basic functional replacement cost (line 2 × line 9) \$ 660

11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)
(where depreciation is appropriate) \$ 264

Additional costs

Cleanup _____ \$ 330

Replacement tree installation _____ \$ _____

Aftercare _____ \$ _____

Hardscape (specify) _____ \$ _____

12. Total additional costs \$ 330

13. Total functional replacement cost (line 11 + line 12) \$ 594

14. Rounded \$ 595

DRC

PZ21-12000041

4/20/2022

Functional Replacement Method Trunk Formula Technique

Client name Soleste Pompano Date 3/9/22 Case # 1a
Phone _____ E-mail _____
Address 2190 NE 4 Street, Pompano Beach, Florida

Subject tree

Species Mahogany (*Swietenia mahagoni*)

1. Trunk diameter* (D) 11" @ DBH

2. Cross-sectional area (line 1)² × 0.7854 = 95 in²

3. Condition rating 40 %

Health _____

Structure _____

Form Distorted canopy due to direct overhead utility line conflict

4. Functional limitations 40 %

5. External limitations 100 %

Functional replacement tree

Species Mahogany (*Swietenia mahagoni*)

6. Size (specify diameter or height) Diameter 4"

7. If diameter, cross-sectional area (line 6)² × 0.7854 = 13 in²

8. Functional replacement tree cost Source: Market average on Plantant.com \$ 542

Calculations

9. Unit tree cost (line 8 / line 7 or RPAC) \$ 43.10

10. Basic functional replacement cost (line 2 × line 9) \$ 12,221.35

11. Depreciated functional replacement cost (line 10 × line 3 × line 4 × line 5)
(where depreciation is appropriate) \$ 3,299.77

Additional costs

Cleanup _____ \$ 541.67

Replacement tree installation _____ \$ _____

Aftercare _____ \$ _____

Hardscape (specify) _____ \$ _____

12. Total additional costs \$ 541.67

13. Total functional replacement cost (line 11 + line 12) \$ 3,841.43

14. Rounded \$ 3,840

DRC

PZ21-12000041

4/20/2022

Functional Replacement Method Trunk Formula Technique

Client name Soleste Pompano Date 3/9/22 Case # 1b
Phone _____ E-mail _____
Address 2190 NE 4 Street, Pompano Beach, Florida

Subject tree

Species Gumbo Limbo (*Busera simaruba*)

1. Trunk diameter* (D) 6" @ DBH

2. Cross-sectional area (line 1)² × 0.7854 = 28 in²

3. Condition rating 40 %

Health _____

Structure Codominance; no central leader

Form _____

4. Functional limitations _____ 60 %

5. External limitations _____ 100 %

Functional replacement tree

Species Gumbo Limbo (*Busera simaruba*)

6. Size (specify diameter or height) Diameter 3"

7. If diameter, cross-sectional area (line 6)² × 0.7854 = 7 in²

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) \$ 327.99

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) \$ 669.75

14. Rounded \$ 670

DRC

PZ21-12000041
4/20/2022

Functional Replacement Method Trunk Formula Technique

Client name Soleste Pompano Date 3/9/22 Case # 3a
Phone _____ E-mail _____
Address 2190 NE 4 Street, Pompano Beach, Florida

Subject tree

Species Gumbo Limbo (*Busera simaruba*)
1. Trunk diameter* (D) 6" @ DBH
2. Cross-sectional area (line 1)² × 0.7854 = 28 in²
3. Condition rating 35 %
Health _____
Structure Unbalanced canopy
Form _____
4. Functional limitations 60 %
5. External limitations 100 %

Functional replacement tree

Species Gumbo Limbo (*Busera simaruba*)
6. Size (specify diameter or height) Diameter 3"
7. If diameter, cross-sectional area (line 6)² × 0.7854 = 7 in²
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) \$ 286.99

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) \$ 628.65
14. Rounded \$ 630

DRC

PZ21-12000041

4/20/2022