

**From:** Paul Brazil  
**Sent:** Friday, April 27, 2018 1:40 PM  
**To:** Kirk Blouin <[KBlouin@PalmBeachPolice.com](mailto:KBlouin@PalmBeachPolice.com)>; Jay Boodheshwar <[JBoodheshwar@TownofPalmBeach.com](mailto:JBoodheshwar@TownofPalmBeach.com)>  
**Cc:** Brett Madison <[BMadison@TownofPalmBeach.com](mailto:BMadison@TownofPalmBeach.com)>  
**Subject:** FW: 1000 Palms for Palm Beach

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Kirk,

Brett has calculated the Town's cost to maintain a palm tree to be approximately \$60/tree/year. He has some necessary assumptions and some items that were not quantified.

I would suggest that we use a budget number of \$75/tree/year and a 3% escalator per year to account for increase contractual, commodity, and employee costs. In 10 years, the same tree will cost us \$100/year.

Let me know if you need anything else.

Paul

**H. Paul Brazil, P.E.**  
**Director of Public Works**

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**From:** Brett Madison  
**Sent:** Thursday, April 26, 2018 1:08 PM  
**To:** Paul Brazil <[PBrazil@TownofPalmBeach.com](mailto:PBrazil@TownofPalmBeach.com)>  
**Cc:** Paul Colby <[PColby@TownofPalmBeach.com](mailto:PColby@TownofPalmBeach.com)>; John Lawrence <[jlawrence@TownOfPalmBeach.com](mailto:jlawrence@TownOfPalmBeach.com)>  
**Subject:** RE: 1000 Palms for Palm Beach

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There are approximately 2,350 Town maintained coconut trees. The palms are trimmed twice per year and treated for lethal yellowing three times per year. The staff and vendor time/duties related to the current inventory of palm trees is detailed below.

## Grounds Staff Duties

- Meet with vendor in advance of project to discuss project [set out schedule, collection, start times, prepare traffic impacts, etc]
- Set up advance warning signs.
- Document palms trimmed.
- Document palms missed due to vehicle parking.
- Coordinate collection of palm trimmings by Town staff.
  - o Total for all items – 4 weeks of staff time including overtime [assume \$45 per hour and 2 hours of OT per day] = \$9,900 per seasonal trimming = \$19,800 per year

## Vendor Participation - Arborist

- Review of trimming procedures [cleaning of saws between every tree, inspect cuttings for pest infestation] - \$145 per hour – 5 hours per week - \$2,175 per seasonal trimming = \$4,350 per year
- Review of Lethal Yellowing applications and dosage rates on an intermittent basis - \$145 per hour – 4 hours per session = \$580 per session x 3 applications per year = \$1,740 per year

## Public Works Staff – Trash Division

- Coordination of collection of trimmings between Supervisors
- Crane trucks and 16 yard trucks collecting trimmings
  - o Estimated total for all items – Trimmings from 160 palms per 16 yard truck/ 2350 palms = 14.7
  - o 14.7 truck loads x 4 hours collection and disposal per truck = 58.8 hrs.
  - o 58.8 hrs. x \$45 per hour = \$2,644 per seasonal trimming = \$5,288 per year.

Grounds Annual Cost - \$19,800

Vendor Annual Cost - \$4,350

Trash Annual Cost - \$5,288

Total Annual Cost - \$29,438

Average Cost per Palm - \$29,438/2350 = \$12.53 per palm

Annual Trimming and LY Program - \$48 per palm

Annual maintenance cost - \$60.53 per palm

NOTE – This estimate is based on current quantities and established bid rates. It does not consider fuel and fluids, vehicle maintenance costs or landfill impacts.

Brett E. Madison

Facilities Maintenance Division Manager

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