



Tee Jay Boudreau

RI DEM | Division of Forest Environment
Urban and Community Forestry Program Coordinator

teejay.boudreau@dem.ri.gov

Urban and Community Forestry Coordinator?



Urban and Community Forestry Coordinator?



Urban and Community Forestry Coordinator?



Urban and Community Forestry Coordinator?



Urban and Community Forestry Coordinator?





What Is It?

How Does It Work?

How Does It Benefit Me?

What Does It Cost?

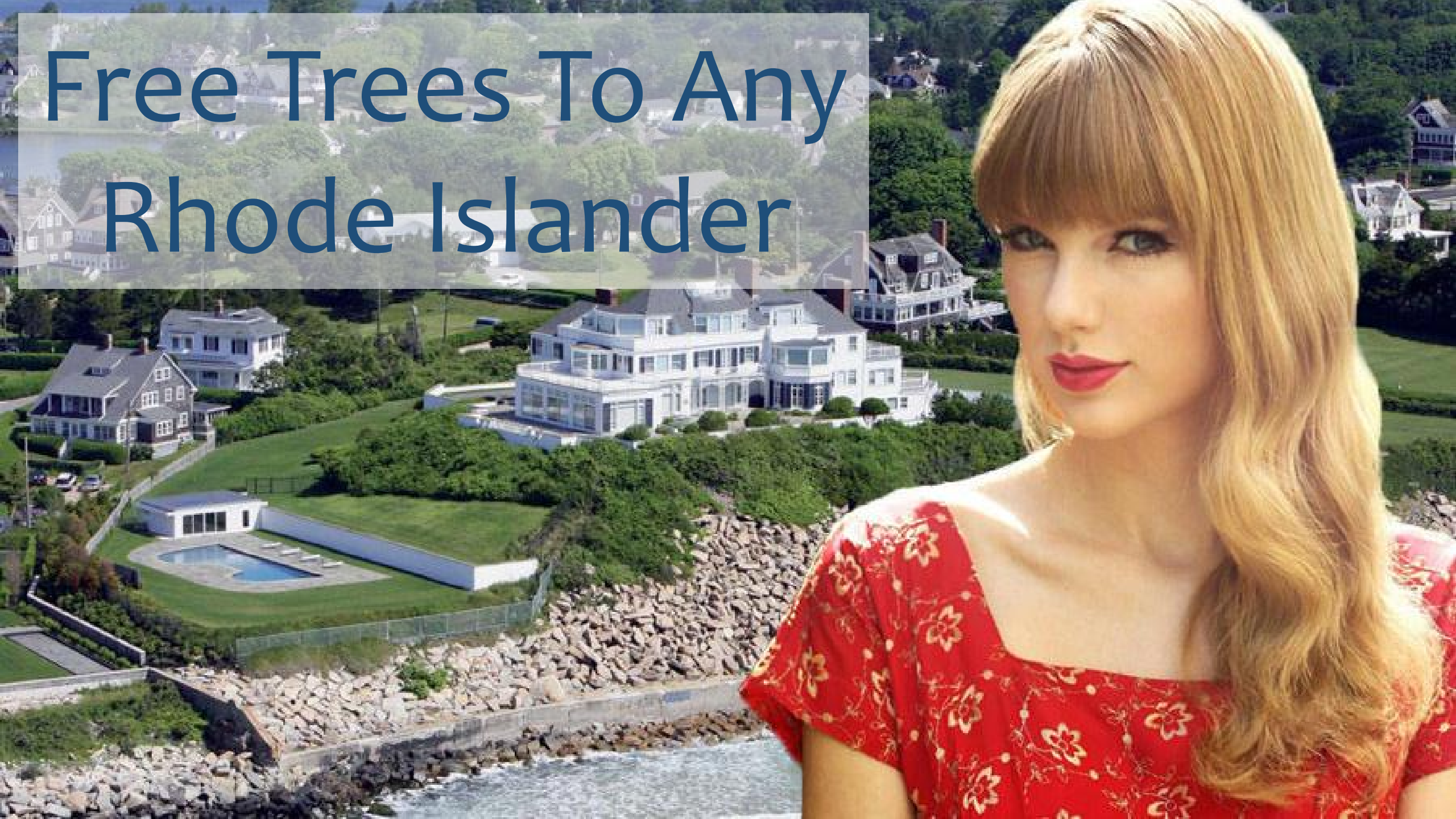
Could My Garden Execute It?

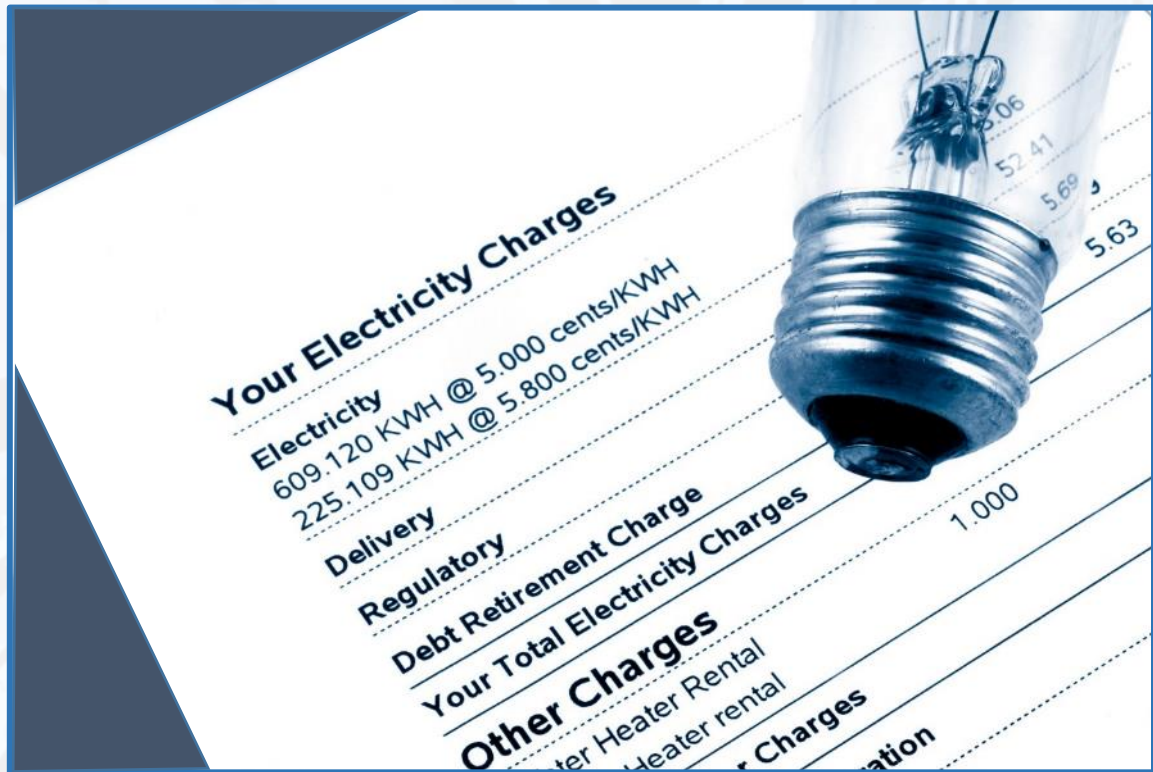
What Is ?

An Arbor Day Foundation Program



Free Trees To Any Rhode Islander





Your Electricity Charges

Electricity

609.120 KWH @ 5.000 cents/KWH
225.109 KWH @ 5.800 cents/KWH

Delivery

Regulatory

Debt Retirement Charge

Your Total Electricity Charges

Other Charges

Water Heater Rental
Heater rental
Charges
ation

1.000

nationalgrid

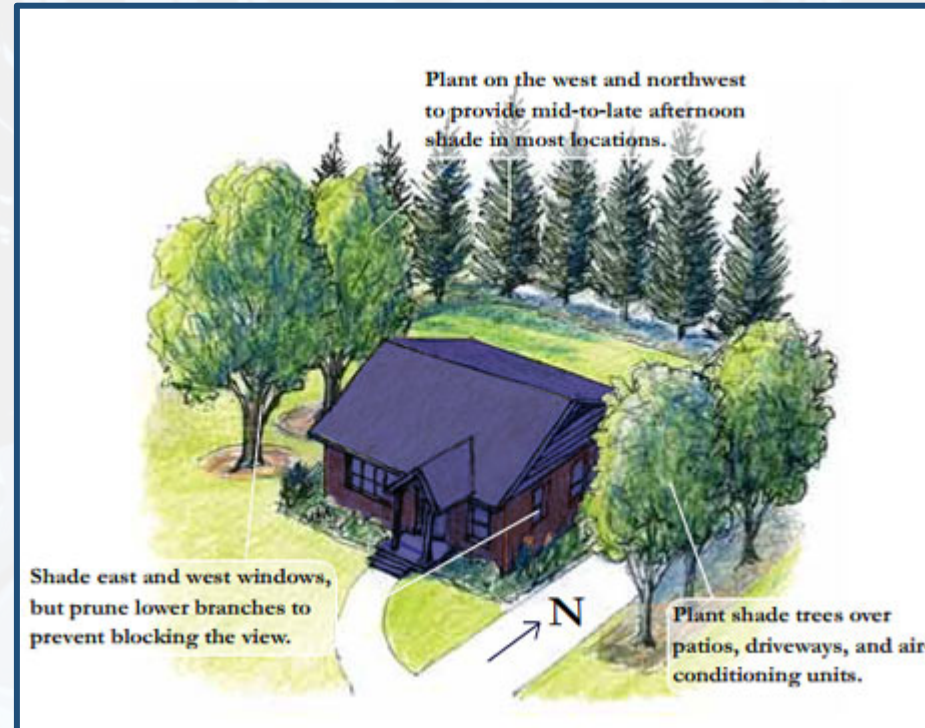
THE POWER OF ACTION





&





Summer energy saving of a large
deciduous tree in Fresno, CA
 $417 \text{ kWh/year} = \$45$

How Does Work?





Rhode Island[®]
Tree Council
Trees Are Cool

RINLA
RHODE ISLAND
NURSERY & LANDSCAPE ASSOCIATION

Plant a Free Tree In Your Yard and Help Conserve Energy

Coming Fall 2015

The RI DEM, in partnership with the Arbor Day Foundation, is providing **1,000 free trees** to RI homeowners to help save energy and reduce utility bills!



Supply is limited, so register online today to reserve your free tree!

Registration opens August 21st.

The registration process takes less than 10 minutes:

www.arborday.org/ridem

For registration assistance, call the Arbor Day Foundation at 855-234-3801

Homeowners must pre-register to receive their free tree.

The Energy-Saving Trees Program is open to all RI homeowners who agree to the program requirements.

Aquidneck Growers' Market
909 E Main Rd., Middletown 02842
Saturday—September 26th 9am-1pm

Slater Park Farmers' Market
900 Armistice Blvd., Pawtucket 02861
Sunday—October 11th 12pm-3pm

Hope Street Farmers' Market
1000 Hope St., Providence 02906
Saturday—October 17th 9am-1pm

Coastal Growers Farmers' Market
2325 Boston Neck Rd., N. Kingstown 02874
Saturday—October 24th 8:30am-12:30pm

**Learn proper planting techniques
from RI Tree Stewards!**



→ 1000 Trees

→ Online Registration

→ 4 Pick-Up Locations

Funding

RGGI – Regional Greenhouse Gas Initiative
(*N.E. and Mid-Atlantic CO₂ cap and trade*)

RI  **DEM** is the State Administrator

\$750,000 over 3 years to give out trees!

ENERGY-SAVING TREES presented by: Arbor Day Foundation DAVEY

Home About Partners FAQ For utilities

Welcome! (Step 1 of 4)
Welcome to Energy-Saving Trees, a free service to plant trees on your property. Get started by entering your address below:

Street address
81 burdick dr

City, State
cranston, RI

ZIP code
02920

Utility company
Rhode Island DEMO

Start

Save up to 20% on your summer energy bills by planting trees.
Complete the fields on the left to get started.

About Energy-Saving Trees
Energy-Saving Trees is a research-based tool intended to help homeowners and utility companies save energy and money by strategically planting trees.

Utility partners
Utility companies across the country are becoming partners with the Arbor Day Foundation to help residents strategically plant trees.

pepco ON

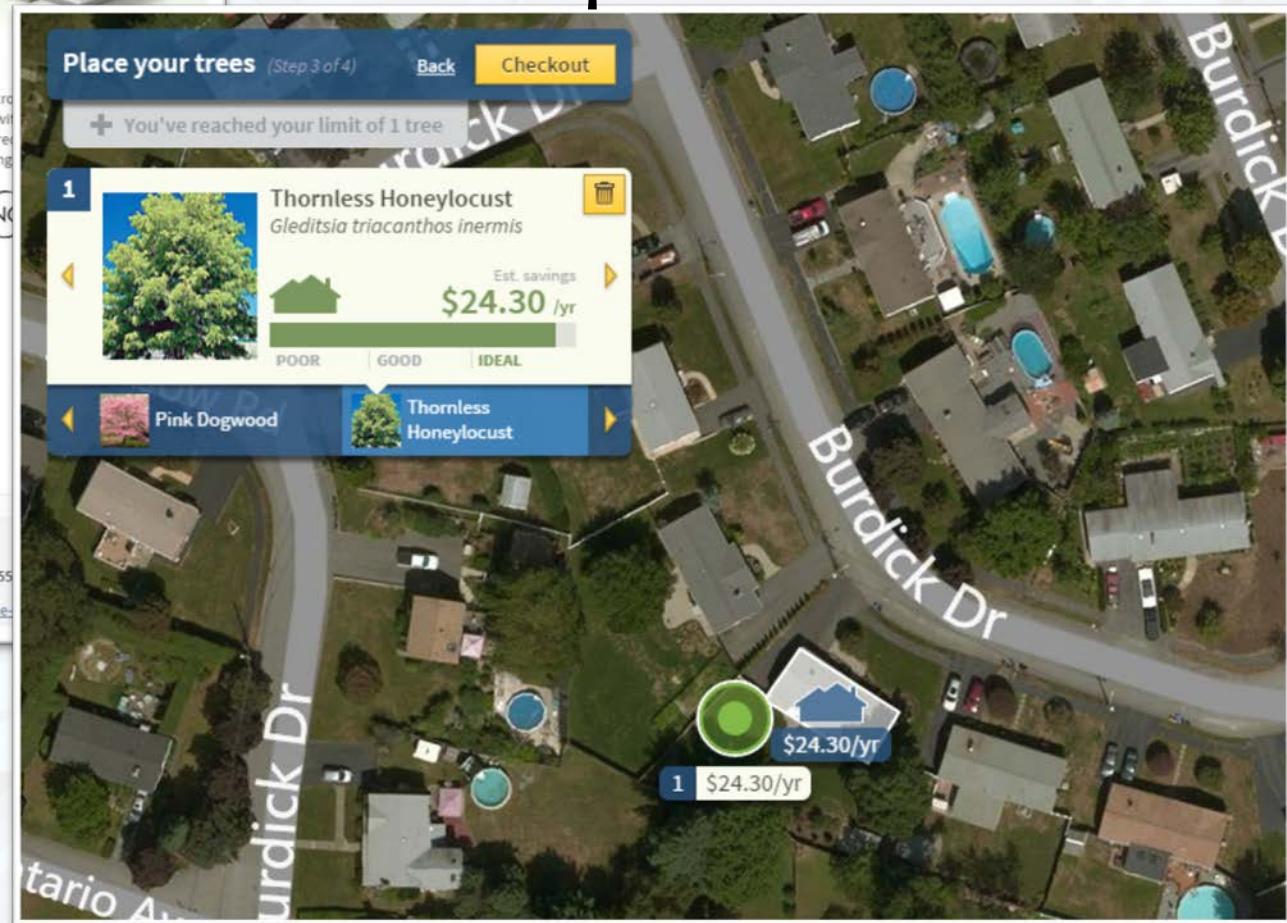
[Find out more](#)

The Arbor Day Foundation
211 North 12th Street
Lincoln, NE 68508

Site navigation
[Home](#)
[About](#)
[Partners](#)

Need help?
Call us: 1-855-
Send us an e-

Red Maple
Honey Locust
Black Tupelo



River Birch
Eastern Redbud
Korean Dogwood

2/3/2015

Energy-Saving Trees



presented by: Arbor Day Foundation



sponsored by:

Thank you for your order!

Your order has been received and is being processed. A confirmation e-mail will be sent to Test@test.com shortly. For your records, your order number is 54098.



Mapping address
81 Burdick Dr
Cranston, RI 02908

Your tree (Savings shown are in year 20)

Thornless Honeylocust
Estimated savings: \$24.30 / yr
kWh benefits: 179.32 kWh / yr
Thermal benefits: -1.71 Therm / yr

Pickup information
Hopkins Park, Providence, RI
02908
4/15/15, 8:00 am to 1:00 pm

Your information

First name
Lorraine
Last name
Boudreau
E-mail address
Test@test.com
Daytime phone number
401-555-1234



presented by: Arbor Day Foundation



Need help? 401

ut (Step 4 of 4)

address

k Dr
RI 02920

e (Savings shown are in year 20)

Thornless Honeylocust
Estimated savings: \$24.30 / yr
kWh benefits: 179.32 kWh / yr
Thermal benefits: -1.71 Therm / yr



1. Provide your information

Pickup information

Please select an event below to pickup your tree(s).

4/15/15, 8:00 am to 1:00 pm
Hopkins Park, Providence, RI 02908
4/22/15, 7:00 am to 2:30 pm
Providence College
1 Cunningham Square
Providence, RI 02908

Next

Your information

First name
 ✓
Last name
 ✓
E-mail address
 ✓
Daytime phone number
 ✓

2. Accept the agreement

3. Learn more about your tree

[Back](#)

[Submit](#)



Backed by *i-Tree* research and developed by Davey Tree Expert Company, and the Arbor Day Foundation.

i-Tree

A consortium between USFS, Davey Tree, Society of Municipal Arborists and the Arbor Day Foundation, conducting research and creating research-based tools to help community and urban forestry. This peer-reviewed software suite from the USDA Forest Service provides urban forestry analysis and benefits assessment tools.





How Does Benefit Me?





GOOD WILL

Supporting Local Community
Membership

EDUCATION

Climate Change Awareness – Tree Benefits
Horticulture Education
Planting, Watering, Care

DATA

BenefitsByTree - Excel

Boudreau, TeeJay (DEM)

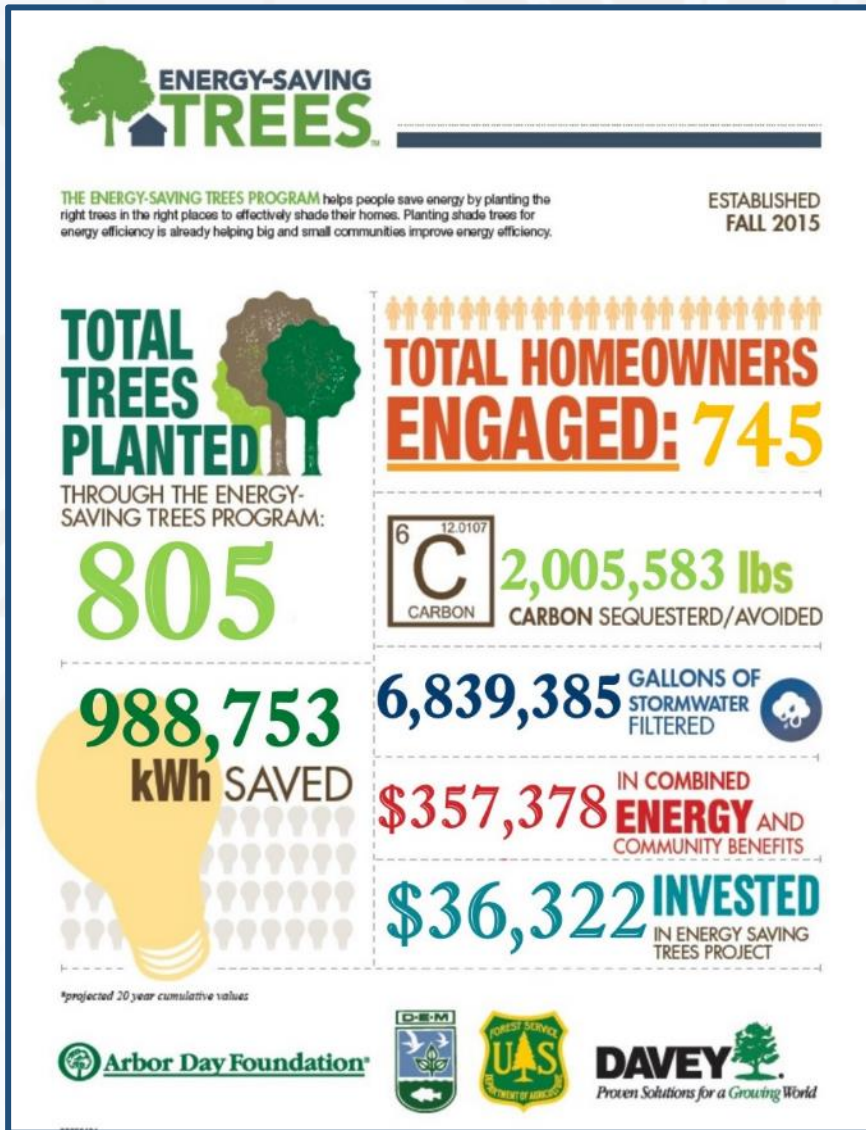
	A	B	C	D	E	F	BO	BP	Ene
1	Order #	Date	Company	Customer name	Tree name	Location	Energy Benefits Kwh Year 20	Energy Benefits Kwh Cumulative Year 20	
2	70418	8/18/2015 21:43		Barbara Colvin	Black Tupelo	41.751487, -71.553457	149.552927	943.760281	
3	70419	8/18/2015 21:44		Rose Valentim	River Birch	41.864156, -71.418384	161.73557	1495.079546	
4	70420	8/18/2015 21:51		Becky Merritt	Red Maple	41.729257, -71.555916	273.963999	2025.422859	
5	70421	8/18/2015 21:55		Lisa Trainor	Red Maple	41.515905, -71.238870	0	0	
6	70422	8/18/2015 21:57		Joann Lanosa	Red Maple	41.613330, -71.150645	150.053393	1039.853485	
7	70423	8/18/2015 22:17		Shelli Costa	Eastern Redbud	41.549397, -71.199803	151.087279	1195.013489	
8	70424	8/18/2015 22:18		Denise Levins	Black Tupelo	41.628680, -71.450901	313.795848	2989.655267	
9	70425	8/18/2015 22:23		mary scibelli	Korean Dogwood	41.482102, -71.303774	54.32409	673.577713	
10	70426	8/18/2015 22:45		Thom Shevlin	Red Maple	41.518689, -71.172965	157.841511	1120.728837	
11	70427	8/18/2015 23:01		Kyle Wadbrook	Red Maple	41.533463, -71.704471	242.873233	1854.633453	
12	70428	8/18/2015 23:29		Brian Gervelis	Black Tupelo	41.621915, -71.256347	313.795848	2989.655267	
13	70429	8/18/2015 23:53		Bethany Dwyer	Black Tupelo	41.713676, -71.577462	313.795848	2989.655267	
14	70430	8/19/2015 0:06		Cindy Gianfrancesco	Black Tupelo	41.846528, -71.640570	149.552927	943.760281	
15	70431	8/19/2015 0:10		Katie kelliher	Eastern Redbud	41.739743, -71.405061	70.856206	473.296409	
16	70432	8/19/2015 0:14		Dan Seger	Black Tupelo	41.425512, -71.483322	242.873233	2159.495366	
17	70433	8/19/2015 0:16		William Welsh	Red Maple	41.588827, -71.166562	214.888113	1296.139638	
18	70434	8/19/2015 0:24		Sandra Harper	Red Maple	41.684045, -71.258325	149.552927	650.965203	
19	70435	8/19/2015 0:26		Josh Coroa	Black Tupelo	41.568265, -71.137657	166.849952	1483.672341	
20	70436	8/19/2015 0:46		RICHARD BARKIN	Eastern Redbud	41.666521, -71.451436	88.629418	596.879403	

EnergyBenefitsByTree_unsorted

READY

100%

By the Numbers



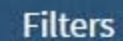
97% of trees pre-registered
84% of total trees picked-up

Saunderstown – 252 of 279

Middletown – 232 of 304

Providence – 208 of 213

Pawtucket – 113 of 160



[Collapse »](#)

Campaigns

Clear

Spring 2016 ✕

Tree species

All tree species

ZIP codes

Apply

Clear all

What Does Cost?





\$37,000.00

\$37 Per Tree – Delivered (3-5 Gallon)



\$4,936.00

Initial Delivery, Care (approx. 1 month), Delivery To and From Each Pick-up Location (Including Driver For 4+ Hours)



\$493.60

10% Contractor Cost for Admin. of Co-Op Agreement



FREE

\$45,572.60

Can My Garden Execute





YES