

FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES 2021 URBAN AND COMMUNITY FORESTRY GRANT



Application for Federal Financial Assistance Subaward 2 CFR 200

Instructions for Application Packet – Coversheet

*Each field of the coversheet must be completed.

*If a field does not apply, indicate N/A in the field.

All applications must be bound by binder clip or staple – no plastic binders or folders.

- 1. Federal Financial Assistance Funding Opportunity Number Record the number shown on the Notice of Funding Opportunity.
- 2. Amount of funds requested for this project List the total amount of funds required to complete the scope of work. The name must match to the name listed in SAM.
- 3. Subrecipient Legal Name Record the legal name of applicant that will undertake the scope of work. The name must match to the name listed in SAM.
- 4. Subrecipient FEIN Record the employer or taxpayer identification number as assigned by the Internal Revenue Service.
- 5. Subrecipient DUNS Number Record the applicant's DUNS number received from Dun and Bradstreet Data Universal Numbering System (DUNS).
- 6. Subrecipient Registered in SAM All applicants must be registered in the System of Award Management (SAM) to obtain federal financial assistance. Individuals are not required to register is SAM.
- 7. Street Address Record the street address as recognized by the U.S. Postal Service. Do not record a P.O. Box.
- 8. City Record the city.
- 9. State Record the state.
- 10. Zip Code plus 4 Record the nine-digit U.S. Postal Code.
- 11. Mailing address (if different from above) Record a different mailing address.
- 12. Phone Number Record a 10-digit (xxx-xxx-xxxx) daytime phone number.
- 13. Fax Number Record a 10-digit (xxx-xxx-xxxx) fax number.
- 14. Is the subrecipient delinquent on any federal debt? Record yes or no. The question applies to the applicant. Categories of federal debt include, but not limited to: delinquent loans, tax, and audit disallowances. If yes, provide an explanation.
- 15. Cost Sharing (Match) Record the value of cost share to be provided.
- 16. Congressional District Record the applicant's congressional district.
- 17. Name and contact information for matters involving this application.
- 18. Subrecipient Type Circle the type of subrecipient.
- 19. Descriptive Title of Subrecipient Project Record a brief descriptive title of the project.
- 20. Funding Period Enter the dates, within the award period, as to when the project will begin and finish.
- 21. Location of Proposed Program/Project Record the physical address of where the scope of work will be completed.
- 22. Total # of full-time employees Record the number of full-time employees. A full-time employee works 40 hours per week.
- 23. Total # of part-time employees Record the number of part-time employees. A part-time employee works less than 40 hours per week.
- 24. Is your organization a 501(c)(3) tax exempt organization? Circle yes or no.
- 25. Has your organization previously received federal financial assistance from FDACS? Yes or No. Please answer yes if the funding has been received within the last three years.
- 26. The application must be signed and dated by an authorized representative of the applicant organization.



Page 2 of 25

Application for Federal Financial Assistance Subaward 2 CFR 200

1. Federal Financial Assistance Funding Opportunity Number: 2. Amount of funds requested for this project: \$30,000						
3. Subrecipient Legal Name: City of Hollywood						
4. Subrecipient FEIN: 59-6000338	5. Subrecipient DU 076022136	NS Nun	nber:	6. Subreci Yes	pient	Registered in SAM:
7. Street Address: 2600 Hollywood Boulevard						
8. City: Hollywood		9. Sta	te:			Zip Code plus 4: 20-4807
11. Mailing address (if different N/A	from above):					
12. Phone Number: 954-967-4357			x Number 21-3314	:		
14. Is the subrecipient delinquer No	nt on any federal debt?	15. Cd \$30,0	ost Sharing 00	g (Match):	16. C 24	Congressional District:
17. Name and contact informati Name: Peter Bieniek Phone Number: 954-967-452				involving th		
18. Subrecipient Type: (Circle on Local Government Non-Profit	e) Indian Tribal Gover Organization State Go		Individu ent Oth		tion o	f Higher Education
19. Descriptive Title of Subrecip Tree Inventory	ient Project:	¥				
20. Funding Period:	Start Date 01/01/2022		02/28/	nd Date 2023		
21. Location of Proposed Progra Hollywood, FL 33020	m/Project:					
22. Total # of full-time employee	es: 1305	23. To	otal # of pa	rt-time em	ploye	es: 153
24. Is your organization a 501(c)	(3) tax exempt organizat	tion? No)			
25. Has your organization previo	ously received federal fin	ancial	assistance	from FDAC	s?	
26. By signing this application, I						
of my knowledge. I have also pro		chmen	ts and assi	urances. I a	gree t	o comply with all
terms and conditions if I accept						
Authorized Representative Name: Title: Wazir Ishmael City Manager						
Phone Number: 954-921-3201	Email: wishma	el@holly\	woodfl.org			
Phone Number: 954-921-3201 Email: wishmael@hollywoodfl.org Signature of Authorized Representative:				Date	Signed: 9/30/21	
FDACS 02032 06/16						1

Page 2



KEY CONTACT FORM

2 CFR 200

Instructions for Application Packet – Key Contract Form

*Each field of the key contact form must be completed.

*If a field does not apply, indicate N/A in the field.

Federal Financial Assistance Funding Opportunity Number – Record the number shown on the Notice of Funding Opportunity.

Subrecipient FEIN – Record the employer or tax payer identification number as assigned by the Internal Revenue Service. Subrecipient Legal Name – Record the legal name of applicant that will undertake the scope of work. The name must match to the name listed in SAM.

Contact Project Role: Authorized Representative – Record requested information.

Contact Project Role: Grant Manager – Record requested information. Contact Project Role: Fiscal Contact – Record requested information.

Contact Project Role: Principal Investigator – Record requested information.



KEY CONTACT FORM

2 CFR 200

Federal Financial Assistance Funding Opportunity Number: 21-DG-11083112-001-A Subrecipient FEIN: 59-6000338				
Subrecipient Legal Name: City of Hollywood				
Contact Project Role: Au	uthorized	l Representative		
Name: Wazir Ishmael				
Title: City Manager		Phone Number: 954-921-3201		Fax Number: 954-921-3314
Street Address: 2600 Hollywood Bouleva	ard			
City: Hollywood	State: FL		Zip 330	Code plus 4: 20-4807
Mailing address (if different from above): N/A		nddress: nel@hollywoodfl.org	•	
Contact Project Ro	le: Gran	t Manager		
Name: Peter Bieniek				
Title: Director of Public Works		Phone Number: 954-967-4523		Fax Number: N/A
Street Address: 1621 N. 14th Avenue				
City: Hollywood	State: FL			Code plus 4: 22-3211
Mailing address (if different from above): N/A		ddress: ek@hollywoodfl.org	•	
Contact Project Ro	ole: Fisca	al Contact		
Name: Mellissa Cruz				
Title: Director Financial Services		Phone Number: 954-9213234		Fax Number: 954-921-3064
Street Address: 2600 Hollywood Boulevard				
City: Hollywood	State: FL			Code plus 4: 20-4807
Mailing address (if different from above): N/A		nddress: Dhollywoodfl.org	•	

Contact Project	t Role: Princip	al Investigator	
Name: N/A			
Title: N/A		Phone Number: N/A	Fax Number: N/A
Street Address: N/A			
City: N/A	State: N/A		Zip Code plus 4: N/A
Mailing Address (if different from above): N/A	Email a N/A	address:	



PROJECT NARRATIVE

2 CFR 200

Instructions for Application Packet – Project Narrative

- 1. Federal Financial Assistance Funding Opportunity Number Record the number shown on the Notice of Funding Opportunity.
- 2. Amount of funds requested for this project List the total amount of funds required to complete the scope of work.
- 3. Subrecipient Legal Name Record the legal name of applicant that will undertake the scope of work. The name must match to the name listed in SAM. Please note section XII Public Records in the Notice of Federal Financial Assistance Funding Opportunity before including any proprietary or confidential information.
- 4. The header section of each page of the project narrative must have the funding opportunity number, subrecipient federal identification number and subrecipient legal name.
- 5. The project narrative must not exceed <u>two 8 ½" by 11" single sided pages</u>. Additional pages beyond the page limitation will not be considered.
- 6. The project narrative must include, but is not limited to:
 - A statement of need for the federal financial assistance and how the project will address the need.
 - A description of the expected project outcomes. The measurable objectives and specific targets of the expected project outcomes should be specified.
 - A statement of what environmental or educational value will the community derive from the project. Will citizen involvement and support for the Community's urban forestry program increase?
 - A plan of action to achieve the projected outcomes and how the plan of action will be accomplished.
 - A statement detailing how the project will be publicized in the local community.
 - A timeline of activities or implementation schedule.
 - Collaboration details, if any.
 - Information on key personnel including their background and experience with the project objectives. An indication of the amount of effort the key personnel will provide to the project.
 - Precise location of the project or the area to be served/benefited by the project.
 - A statement of whether this project relates to any other project, current or anticipated.
 - Previous UCF grants received by the applicant Were they implemented and what was accomplished?
 - A statement of *Tree City* or *Tree Campus USA* certification and growth award.



PROJECT NARRATIVE

2 CFR 200

1. Federal Financial Assistance Funding Opportunity Number:	2. Amount of funds requested for this project:
21-DG-11083112-001-A	59-6000338

3. Subrecipient Legal Name:

City of Hollywood

Please note section XII Public Records in the Notice of Federal Financial Assistance Funding Opportunity before including any proprietary or confidential information.

Project Narrative:

The City of Hollywood has been a Tree City USA for the last 41 years. The densely populated urban community has incorporated improving its urban forest into its capital improvement plan and provides an on-staff Urban Forestry Supervisor to manage both installation and maintenance projects. With five full-time personnel the Urban Forestry Division of the Public Works Department implements the Urban Forestry Program, which includes various aspects of tree and palm maintenance including tree trimming and pruning, hazardous tree removal, and tree relocations. Urban Forestry ensures clearance is provided over rights-of-way and sidewalks. Staff oversees and administers the City's contract for tree trimming to provide adequate and timely service. Functions of this program are performed by both in-house staff and contractual services.

Over the last several years the City has increased its focus on not only protecting but expanding its urban forest. A tree fund was established that provides funding each year as part of the capital improvement program to replace, install, and protect existing canopies. This dedicated funding source ensures that the City's tree management efforts will continue each year and not be subject to budgetary decisions made during the annual budget process. The revenue for the Tree fund comes from fees paid by property owners who cannot meet the tree planting mitigation requirement. The City collects \$325 per tree through this program. While the City traditionally uses the funding to plant trees as projects are implemented, the need for comprehensive tree inventory has driven the request for federal financial assistance to enhance the City's efforts.



PROJECT NARRATIVE

2 CFR 200

1. Federal Financial Assistance Funding Opportunity Number:	2. Amount of fur
21-DG-11083112-001-A	59-6000338

nds requested for this project:

159-6000338

3. Subrecipient Legal Name:

City of Hollywood

Please note section XII Public Records in the Notice of Federal Financial Assistance Funding Opportunity before including any proprietary or confidential information.

Project Narrative:

Continued...

Using funds from the Tree Fund, the City will engage an experienced consultant to complete a city-wide tree inventory. The inventory will identify and collect data on every tree located on City-owned or managed property. These sites will include parks, common areas, rights-of-way. and facilities such as community centers. The City has 70 parks and open spaces along with miles of roadway and dozens of community facilities such as City Hall. The project will provide GIS mapping, species classification, size, and condition info. Once complete, the public will have access to the information and be able to view the maps to better understand the significant role the urban forest plays in everyday life. The grant funding will allow the City to develop a comprehensive data and mapping tool that will serve as the foundation for the long-term success of the community forestry program.

The objectives of the project consist of the following:

- Develop data on all trees located within City-managed properties
- Increase awareness of the urban forest through education and access to data
- Improve knowledge of tree management and care through education
- Utilize designated tree funds in the most cost-effective manner
- Be better prepared for post-disaster recovery and mitigation funding

The City is requesting \$30,000 to assist with the development of the inventory. The City will provide a cash match of \$30,000. The match will come from a dedicated fund required to be used for tree-related activities. The fund receives approximately \$35,000 each year.



SCOPE OF WORK

2 CFR 200

Instructions for Application Packet – Scope of Work

- 1. Federal Financial Assistance Funding Opportunity Number Record the number shown on the Notice of Funding Opportunity.
- 2. Subrecipient FEIN Record the employer or taxpayer identification number as assigned by the Internal Revenue Service.
- 3. Subrecipient Legal Name Record the legal name of applicant that will undertake the scope of work. The name must match to the name listed in SAM.

Please note section XII Public Records in the Notice of Federal Financial Assistance Funding Opportunity before including any proprietary or confidential information.

- 4. The header section of each page of the scope of work must have the funding opportunity number, subrecipient federal identification number and subrecipient legal name.
- 5. The project narrative must not exceed <u>two 8 ½" by 11" single sided pages</u>. Additional pages beyond the page limitation will not be considered.
- 6. The scope of work must include, but is not limited to:
 - Describe in detail the activity or work to be conducted. Include project location information.
 - Describe specific project objectives, tasks, and deliverables and related timelines for each. Include who will perform the tasks.
 - Objectives and tasks should relate to the project narrative.
 - Discuss how the scope of work is feasible and can be completed within the award period.
 - Provide quantifiable, measurable, and verifiable units of deliverables.
 - Deliverables must be directly related to the scope of work.



SCOPE OF WORK

2 CFR 200

1. Federal Financial Assistance Funding Opportunity Number:	2. Subrecipient FEIN:
21-DG-11083112-001-A	59-6000338

3. Subrecipient Legal Name:

City of Hollywood

Please note section XII Public Records in the Notice of Federal Financial Assistance Funding Opportunity before including any proprietary or confidential information.

Performance Measures

Item/Task	Item/Task Description	Costs per	Outcome Measures
		Unit	
1	Consultant Procurement	\$0.00	Engage a consultant to complete inventory
2	Tree Inventory	\$60,000	Complete citywide tree inventory and related exhibits
	1	Item/Task Item/Task Description 1 Consultant Procurement	Unit 1 Consultant Procurement \$0.00

Describe in detail the activity or work to be conducted.

The project will consist of two deliverables. Deliverable #1 will be the selection of a consultant to complete the inventory. The City will engage the contractor using its procurement guidelines. Through this process, the City can best manage public funds while having a qualified consultant develop the tree inventory. Deliverable #1 will be completed by the City's Public Works Department in coordination with Finance and Purchasing Department, which is responsible for procurement activities.

Deliverable #2 will consist of the completion of the tree inventory. The following information for each tree will be provided in tabular

and GIS format:

- Tree Identification Number: Tree number will be automatically generated by GPS based on the order trees were collected.
- · Location: The coordinates of each tree will be automatically calculated by the GPS and provided in the data set.
- Species: Trees and palms will be identified by genus and species using both botanical and common names.
- Diameter: Diameter will be measured to the nearest inch at 4 ½ feet above the ground, or diameter breast height (DBH).
- Condition: The general condition of each tree is to be rated according to the following categories adapted from the International Society of Arboriculture (ISA) rating system:
 - Excellent: 100%
 - Very Good: 90%
 - Good: 80%
 - Fair: 60%
 - Poor: 40%
 - Critical: 20%
 - Dead: 0%



SCOPE OF WORK

2 CFR 200

1. Federal Financial Assistance Funding Opportunity Number:	12

2. Subrecipient FEIN:

59-6000338

3. Subrecipient Legal Name:

21-DG-11083112-001-A

City of Hollywood

Please note section XII Public Records in the Notice of Federal Financial Assistance Funding Opportunity before including any proprietary or confidential information.

Performance Measures

		remonitative ivieasures		
Deliverable	Item/Task	Item/Task Description	Costs per	Outcome Measures
#			Unit	
1	1	Consultant Procurement	\$0.00	Engage a consultant to complete inventory
1	2	Tree Inventory	\$60,000	Complete citywide tree inventory and related exhibits

Describe in detail the activity or work to be conducted.

Continued..

- Observations: General observations (up to three per tree) of tree defects as well as tree impacts to infrastructure will be noted including the following: Cavity/Decay-Trunk or Limb Damage -Co-Dominant Leaders-Constricted Roots-Uprooted-Leaning Reduced Canopy-Improperly pruned- Curb/sidewalk damage-Insect Damage
- Maintenance Needs: The following primary and secondary maintenance needs (up to two per tree) will be identified based on the latest ANSI A-300 standard specifications and other arboriculture best management practices:
- Clearance Pruning -Crown Raising--Crown Reduction- Restoration Pruning-Structure Pruning- Crown Cleaning-Stump/Tree Removal -Pest Control-Fertilization Pest/Disease Control
- Overhead Utilities: The presence of overhead utilities (either above the tree or directly contacting the tree) will be noted.
- Minimum Growing Space: One of four categories based on the width of the planting space will be assigned to each tree (the purpose of this data field is to help identify trees with current or potential future root constriction or infrastructure damage):

Less than 3 feet

3 to 5 feet

5 to 10 feet

Greater than 10 feet

Using the data collected, the consultant will prepare a Tree Inventory Summary Report. In addition to the report, the consultant will provide two work products:

- 1. Hard copy of tree inventory letter report. The report will include the following:
 - Color maps that include numbered tree locations overlaid on aerial photographs; and
 Tables displaying data for inventoried trees.
- 2. A CD or DVD containing digital copies of the report in .PDF format, and the tree inventory data in ArcGIS Shape File format.

The project will be managed by the Hollywood Public Works Department with assistance from the Planning Department. The estimated cost of the tree inventory is \$60,000. The time needed to complete the project is eight months.



BUDGET PLAN NARRATIVE

2 CFR 200

Instructions for Application Packet - Budget Plan Narrative

- 1. Federal Financial Assistance Funding Opportunity Number Record the number shown on the Notice of Funding Opportunity.
- 2. Subrecipient FEIN Record the employer or taxpayer identification number as assigned by the Internal Revenue Service.
- 3. Subrecipient Legal Name Record the legal name of applicant that will undertake the scope of work. The name must match to the name listed in SAM.

Please note section XII Public Records in the Notice of Federal Financial Assistance Funding Opportunity before including any proprietary or confidential information.

- 4. The header section of each page of the scope of work must have the funding opportunity number, subrecipient federal identification number and subrecipient legal name.
- 5. The budget plan narrative must not exceed <u>two 8 ½" by 11" single sided pages</u>. Additional pages beyond the page limitation will not be considered.
- 6. Describe line items for each applicable budget category shown on the budget plan. Provide sufficient detail to clearly indicate the estimated funding amounts for each project task contained in the scope of work.
- 7. Personnel costs Provide job titles, rate of pay (hourly/salary) and percentage of time to spend on project (FTE) or hours per week. The total for all personnel costs must match to the budget plan. Examples:
 - a. To achieve the objective of monitoring ponds within Liberty County will require 10 inspectors working 20 hours per week for 4 weeks at an hourly rate of \$25.50. Total cost is \$20,400.
 - b. To achieve the objective of testing water samples from ponds within Liberty County will require 1 chemist. The chemist will work 20% of their time on the project for one year. The annual salary is \$60,000. Total cost is \$12,000.
- 8. Fringe Benefits Employer costs for social security taxes, worker's compensation, health insurance, life insurance and retirement. A percentage may be used when calculating an amount for the budget plan. Only the actual cost of each fringe benefit is chargeable to the award.
- 9.Travel project costs will be evaluated for reasonableness and necessity. Any travel costs must be in compliance with the State of Florida travel rules. **NOT APPLICABLE TO THIS FEDERAL FINANCIAL ASSISTANCE FUNDING OPPORTUNITY**.
- 10. Equipment Provide a description of the equipment to be purchased and the task on which the equipment will be used. **NOT APPLICABLE TO THIS FEDERAL FINANCIAL ASSISTANCE FUNDING OPPORTUNITY.**
- 11. Supplies Provide a description of the consumable materials to be acquired for each specific deliverable(s).
- 12. Contractual Provide an explanation as to the need to hire a third party to complete the work. Provide the rate, number of staff, and task to be completed.
- 13. Trees Provide an explanation as to how the trees will be used. Supply species name, amount and cost per unit.
- 14. Other Expenses Direct costs, which do not fit any of the other categories. Provide a description, amount, and relationship to a deliverable.
- 15. Indirect costs are at the rate approved by the applicant's cognizant agency. A copy of the approved rate must be attached to the application. If the applicant has never received a negotiated indirect cost, provide a statement indicating the applicant is electing to charge a de minimis rate of 10% of modified total direct costs. Indirect costs are not allowable for federal costs in this federal financial assistance funding opportunity. Indirect costs may be used for matching costs.



BUDGET PLAN NARRATIVE

2 CFR 200

Federal Financial Assistance Funding Opportunity Number: 21-DG-11083112-001-A		Subrecipient FEIN: 59-6000338
Subrecipient Legal Name: City of Hollywood		
	Direct Costs	
Personnel Costs	N/A	
Fringe Benefits	N/A	
Travel (if authorized)	NOT APPLICABLE TO THIS FEDERAL OPPORTUNITY.	L FINANCIAL ASSISTANCE FUNDING
Equipment (if authorized)	NOT APPLICABLE TO THIS FEDERAL OPPORTUNITY.	L FINANCIAL ASSISTANCE FUNDING
Supplies	N/A	
Contractual (if authorized)	Procure a consultant to complemaps/exhibits in the amount of	lete the tree inventory and related of \$60,000.
Trees	N/A	
Other Expenses	N/A	
	Indirect Costs	
Indirect Charges	N/A	



BUDGET PLAN

2 CFR 200

Instructions for Application Packet - Budget Plan

- 1. Federal Financial Assistance Funding Opportunity Number Record the number shown on the Notice of Funding Opportunity.
- 2. Subrecipient FEIN Record the employer or taxpayer identification number as assigned by the Internal Revenue Service.
- 3. Subrecipient Legal Name Record the legal name of applicant that will undertake the scope of work. The name must match to the name listed in SAM.

The header section of each page of the scope of work must have the funding opportunity number, subrecipient federal identification number and subrecipient legal name. The applicant shall submit a budget plan for its projected costs to implement the scope of work submitted with the application. **The budget plan shall provide the estimated costs by category in order to carry out the scope of work.**

- 1. Personnel list titles of personnel working on the project, along with each individual's estimated number of hours and hourly wage.
- 2. Fringe Benefits list the estimated fringe benefits associated with the time for each individual referenced above.
- 3. Travel not allowed.
- 4. Equipment not allowed.
- 5. Supplies list allowable supplies needed along with the number and cost of each item.
- 6. Contractual list the name(s) of the individual or company that will be providing their services along with the costs associated with the project.
- 7. Trees list the species, size, number of trees, cost per tree and if planting is in included in the price listed.
- 8. Other expenses list costs not associated with any of the other direct cost categories.



BUDGET PLAN

2 CFR 200

Federal Financial Assistance Funding Opportunity Number: 21-DG-11083112-001-A			Subrecipient FEIN: 59-6000338		
Subrecipient Legal Name: City of			lywood		
Category/Description	Cost per Unit	Number of Units	Grant Amount	Match Amount	
Personnel -	N/A	N/A	N/A	N/A	
Fringe Benefits -	N/A	N/A	N/A	N/A	
Travel (not authorized)	N/A	N/A	N/A	N/A	
Equipment (not authorized)	N/A	N/A	N/A	N/A	
Supplies -	N/A	N/A	N/A	N/A	
Contractual (if authorized) - Consultant (TBD) to complete tree inventory	\$60,000	1	\$30,000	\$30,000	
Trees -	N/A	N/A	N/A	N/A	
Other Expenses -	N/A	N/A	N/A	N/A	
Total Direct Charges	\$60,000	N/A	\$30,000	\$30,000	
Indirect Charges -	N/A	N/A	N/A	N/A	
Total Amount	\$60,000	N/A	\$30,000	\$30,000	



KEY PERSON/STAFF

2 CFR 200

Instructions for Application Packet – Key Person/Staff

- 1. Federal Financial Assistance Funding Opportunity Number Record the number shown on the Notice of Funding Opportunity.
- 2. Subrecipient FEIN Record the employer or taxpayer identification number as assigned by the Internal Revenue Service
- 3. Subrecipient Legal Name Record the legal name of applicant that will undertake the scope of work. The name must match to the name listed in SAM.

The header section of each page of the scope of work must have the funding opportunity number, subrecipient federal identification number and subrecipient legal name.

Each application must include descriptions of key personnel and their qualifications to meet the requirement of the notice of funding opportunity. An individual form will be completed for each key person/staff member. Include an estimate of the number of hours or percentage of time devoted to the project. Please limit to one page.

Key personnel are individuals who contribute in a substantive and meaningful way to the execution or development of the project. Reimbursement of salary costs are not required for an individual to be considered key personnel. Consultants or contract employees may be included if they meet the definition.



KEY PERSON/STAFF

2 CFR 200

An individual form must be hours or percentage of time	•	• •	nember. I	nclude an e	estimate of the number of
Federal Financial Assistanc 21-DG-11083112-001-A	e Funding Opporti	unity Number:	Subreci 59-6000	oient FEIN: 1338	
Subrecipient Legal Name:	City of	Holly	wood		
Person Name: Peter A. Bieniek		Title: Director of Public W	/orks	Hours or project:	% of time devoted to the 10
Phone Number: 954-967-4526	Email Address:	roodfl.org			

Qualifications:

The project manager will be the Director of Public Works, Peter A. Bieniek, who has been the Director of the Department for the last two years and comes from a long background of governmental service including his last position as the Public Works Director for the City of West Palm Beach. A Combat Medic during his time in the Maryland National Guard, Mr. Bieniek started out in 1993 working for Harford County Government in Maryland. His experience since that time includes a wide range of public works services including water and sewer, stormwater, streets, and managing landscaping and large systems of tree canopies.

Mr. Bieniek holds a master's in science Degree from Wilmington University and currently holds the following certifications:

- APWA (American Public Works Association)
- SWANA (Solid Waste Association of North America)
- Fully ICMA Certified 100, 200, 300, 400, 700, and 800.
- Experience as the Debris Manager during Hurricane Irma
- Intermediate Management of Traffic Certified

As the project manager, he will oversee the procurement of an experienced consultant to complete the project. In addition, he will use his knowledge of the tree population within the City to assist the consultant and provide technical assistance when necessary. He will work with the City's Grounds and Urban Forestry Supervisor to ensure the project meets the needs of the City. Once the plan is complete, he will present the document to City officials for approval and then his Department will utilize the inventory to manage the tree population more effectively on a daily basis and as part of emergency management efforts.

Recently the Department, led by Mr. Bieniek, completed several tree planting projects in various locations within the City. These include:

- Tree Plantings at Johnson St. and Arthur St. in the amount of \$30,445
- Tree planting at Alzalea Cul-de-sac in the amount of \$7,000
- Tree planting at Driftwood Park in the amount of \$2,825



PERFORMANCE SITE/LOCATIONS

2 CFR 200

Instructions for Application Packet – Key Person/Staff

- 1. Federal Financial Assistance Funding Opportunity Number Record the number shown on the Notice of Funding Opportunity.
- 2. Subrecipient FEIN Record the employer or taxpayer identification number as assigned by the Internal Revenue Service
- 3. Subrecipient Legal Name Record the legal name of applicant that will undertake the scope of work. The name must match to the name listed in SAM.

Each application must include a list of site(s)/location(s) where the work will be performed. For management plans, describe the property as within the municipal boundaries of the city or county.

The reimbursement of facilities cost will only be allowable for site(s)/location(s) listed on the form. The allocation of facilities costs must be based upon the square footage used by the project activities.



PERFORMANCE SITE/LOCATIONS

2 CFR 200

T						
Federal Financial Assistance Funding Opportunity Number: 21-DG-11083112-001-A			Subrecipient FEIN: 59-6000338			
Subrecipient Legal Name:						
City of Hollywood						T
I am submitting an	application as an indi	vidual, and n	ot on behal	f of a company, sta	ite, local, or	Check Box
tribal government,	academia, or other ty	pe of organi	zation.			
Project/Performance Site Primary Location						
Street Address: CITYWIDE						
City: Hollywood			State: FL		Zip Code plus 4 33020-4807	:
Mailing address (If different from above): 2600 Hollywood Boulevard, FL 33020						
Phone Number: 954-921-3201	Fax Number: 954-921-3314	County: Broward		Project/Performance Site Congressional District 24		ssional District:
		:	C:4			
0	P	roject/Perfo	rmance Site	e Location 1		
Street Address: N/A						
City: N/A		State: N/A		Zip Code plus 4: N/A		
Mailing address (If different from above): N/A						
Phone Number: N/A	Fax Number: N/A	County: N/A		Project/Performance Site Congressional District: N/A		
		/p . (C**			
	P	roject/Perfo	rmance Site	e Location 2		
Street Address: N/A						
City: N/A		State: N/A		Zip Code plus 4 N/A	:	
Mailing address (If different from above): N/A						
Phone Number: N/A	Fax Number: N/A	County: N/A		Project/Performance Site Congressional District: N/A		
				·		

Project/Performance Site Location 3						
Street Address: N/A						
City: N/A			State: N/A		Zip Code plus 4: N/A	
Mailing address (If on N/A	different from above):					
Phone Number: N/A	Fax Number: N/A	County: N/A	Project/Perform N/A		ance Site Congressional District:	
	P	roiect/Perfo	rmance Site	Location 4		
Street Address: N/A						
City: N/A			State: N/A		Zip Code plus 4: N/A	
Mailing address (If on N/A	different from above)	:				
Phone Number: N/A	Fax Number: N/A	County: N/A		Project/Performance Site Congressional Dist N/A		
	P	roiect/Perfo	rmance Site	Location 5		
Project/Performance Site Location 5 Street Address: N/A						
City: N/A	ity:		State: N/A		Zip Code plus 4: N/A	
Mailing address (If on N/A	Mailing address (If different from above): N/A					
Phone Number: N/A	Fax Number: N/A	County: N/A		Project/Performance Site Congressional Dist N/A		
	P	roject/Perfo	rmance Site	Location 6		
Project/Performance Site Location 6 Street Address: N/A						
City: N/A		State: N/A		Zip Code plus 4: N/A		
Mailing address (If different from above): N/A						
Phone Number: N/A	Fax Number: N/A	County: N/A		Project/Performance Site Congressional Distr N/A		
Project/Performance Site Location 7						
Street Address: N/A						
City: N/A			State: N/A		Zip Code plus 4: N/A	
Mailing address (If different from above): N/A						
Phone Number: N/A	Fax Number: N/A	County: N/A		Project/Performa N/A	ance Site Congressional District:	

Florida Department of Agriculture and Consumer Services Bureau of Finance and Accounting



FEDERAL ASSURANCE FOR FEDERAL FINANCIAL ASSISTANCE SUBRECIPIENT AWARD

2 CFR 200

Federal Financial Assistance Funding Opportunity Number: 21-DG-11083112-001-A

Subrecipient Legal Name: City of Hollywood

Subrecipient FEIN: 59-6000338

As the duly authorized representative of the Subrecipient, I certify that to the extent applicable, the Subrecipient:

- 1. Has the legal authority to apply for federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-federal share of project cost(s) to ensure proper planning, management and completion of the project described in this application.
- 2. Will give the Recipient, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the subrecipient award; and will establish a proper accounting system in accordance with generally accepted accounting principles or Recipient directives.
- 3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
- 4. Will initiate and complete the work within the applicable time frames after receipt of approval of the Recipient.
- 5. Will comply with the Intergovernmental Personnel Act of 1970 (41 U.S.C.§§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
- 6. Will comply with all Federal Statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1972, as amended (29 U.S.C.§794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C.§§6101-6107), which prohibits discrimination on the basis of age: (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-96), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g)§§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C.§§290 dd-3 and 290 ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C.§§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.

- 7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
- 8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C.§§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.
- 9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C.§§276a to 276a-7), the Copeland Act (40 U.S.C.§276c and 18 U.S.C.§874), and the Contract Work Hours and Safety Standards Act (40 U.S.C.§§327-333), regarding labor standards for federally-assisted construction subagreements.
- 10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special fold hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
- 11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C.§§7401 et seq.); (g) protection of endangered species under the Endangered Species Act of1973, as amended (P/L/ 93-205).
- 12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C.§§1271 et seq.) relating to protecting components or potential components of the national wild and scenic rivers system.
- 13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C.§470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C.§§469a-1 et seq.).
- 14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.
- 15. Will comply with the Laboratory Animal Welfare Act of 1955 (P/L 89-544, as amended 7 U.S.C.§§2131 et seq.) pertaining to the care, handling, and treatment of warm-blooded animals held for research, teaching, or other activities supported by this award of assistance.
- 16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C.§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
- 17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and 2 CFR, Part 200 Uniform Administrative Requirements, Costs Principles and Audit Requirements for Federal Awards, Subpart F Audit Requirements.
- 18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.
- 19. Will comply with the requirements of Section 106(g) of the Trafficking Victims Protection Act (TVPA) of 2000, as amended (22 U.S.C. 7104) which prohibits grant award recipients or a subrecipient from (1) Engaging in severe forms of trafficking in persons during the period of time that the award is in effect, (2) Procuring a commercial sex act during the period of time that the award is in effect or, (3) Using forced labor in the performance of the award or subawards under the award.

20. Will comply with and enforce the requirements for a drug-free workplace as mandated in 2 CFR Part 421, "Requirements for Drug-Free Workplace." 21. Will comply with 2 CFR 417, Subpart C to ensure that any vendor or subcontractor that carries out the provisions of this agreement are not debarred or suspended. 22. Will comply with the Executive Order 13513 entitled "Federal Leadership on Reducing Text Messaging While Driving" by prohibiting employees, contractors, and subcontractors from texting while driving on official business and or in federally owned, rented, or leased vehicles or privately owned vehicles when on official government business or when performing any work for or on behalf of or in cooperation with the federal government. Authorized Representative Name: Title: Wazir Ishmael City Manager Signature of Authorized Representative: Date Signed: Applicant Organization City of Hollywood



CERTIFICATION REGARDING LOBBYING

2 CFR 200

Federal Financial Assistance Funding Opportunity Number:				
21-DG-11083112-001-A				
Subrecipient Legal Name:				
City of Hollywood				
Subrecipient FEIN:				
59-6000338				
The undersigned certifies, to the best of his or her knowled	ge and belief, that:			
1. No Federal appropriated funds have been paid or will be	paid, by or on behalf of the undersigned, to any			
person for influencing or attempting to influence an office				
officer of employee of Congress, or an employee of a mem	ber of Congress in connection with the awarding of			
any Federal contract, the making of any Federal grant, the	making of any Federal loan, the entering into of any			
cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal				
contract, grant, loan, or cooperative agreement.				
2. If any funds other than Federal appropriated funds have	The state of the s			
influencing or attempting to influence an officer or employee of any agency, a member of Congress, an officer				
or employee of Congress, or an employee of a member of Congress in connection with this Federal contract,				
grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL,				
"Disclosure of Lobbying Activities" in accordance with its instructions.				
3. The undersigned shall require that the language of this certification be included in the award documents for				
all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative				
agreements, and that all subrecipients shall certify and disclose accordingly.				
4. This certification is a material representation of fact upon which reliance was placed when this transaction				
was made or entered into. Submission of this certification is a prerequisite for making or entering into this				
transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification				
shall be subject to a civil penalty or not less than \$10,000 and not more than \$100,000 for each such failure				
Authorized Representative Name:	Title:			
Wazir Ishmael	City Manager			
Signature of Authorized Representative:	Date Signed:			
Applicant Organization:	1			
City of Hollywood (



CERTIFICATION REGARDING DEBARMENTS, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION – LOWER TIER FEDERALLY FUNDED TRANSACTIONS

2 CFR 200

Federal Financial Assistance Funding Opportunity Number: 21-DG-11083112-001-A		
Subrecipient Legal Name:	City of Hollywood	

Subrecipient FEIN: 59-6000338

This certification is pursuant to Executive Order 12549, Debarment and Suspension and implemented at 2 CFR parts 180 and 1880.

Instructions for Certification

- 1. By signing and submitting this proposal, the prospective lower tier participant is providing the certifications set out below.
- 2. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification. In addition to other remedies available to the federal government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.
- 3. The prospective lower tier participant shall provide immediate written notice to the person to whom this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
- 4. The terms "covered transaction", "debarred", "suspended", "ineligible", "lower tier covered transaction", "participant", "person", "primary covered transaction", "principal", "proposal", and "voluntarily excluded", as used in this clause, have the meaning set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations.
- 5. The prospective lower tier participant agrees by submitting this form that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.
- 6. The prospective lower tier participant further agrees by submitting this form that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.
- 7. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the Nonprocurement List.

- 8. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
- 9. Except for transactions authorized under paragraph 5 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participating in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

Certification

- 1. The prospective lower tier participant certifies to the best of its knowledge and belief, that it and its principals;
 - a. Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency.
 - b. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statues or commission of embezzlement theft, forgery, bribery, falsification, or destruction of records, making false statements, or receiving stolen property;
 - c. Are not presently indicted for otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
 - d. Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State, or local) terminated for cause or default.
- 2. where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective lower tier participant shall attach an explanation to this proposal.

Authorized Representative Name:	Title:	
Wazir Ishmael	City Manager	
Signature of Authorized Representative:	Date Signed: 9/30/21	
Applicant Organization: City of Hollywood		



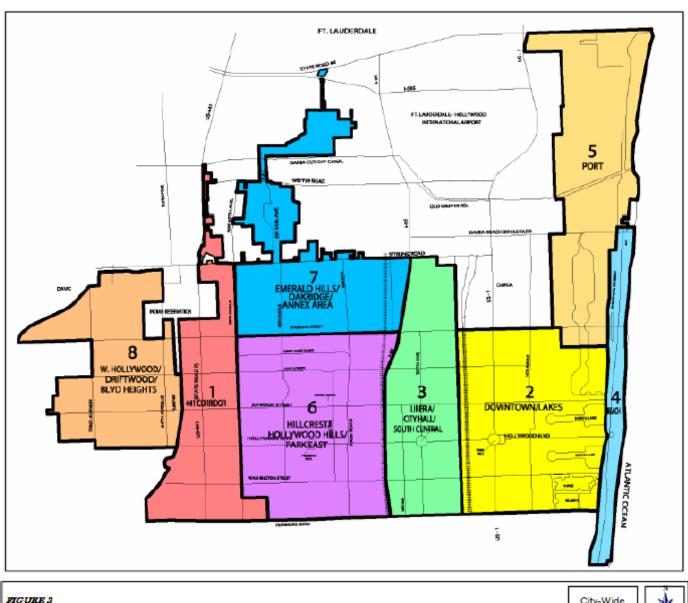
CERTIFICATION STATEMENT

2 CFR 200

Federal Financial Assistance Funding Opportunity Number: 21-DG-11083112-001-A			
Subrecipient Legal Name: City of Hollywood			
Subrecipient FEIN:	59-6000338		
By signing this page, the undersigned certifies that:			
A. This application is in all respects fair and submitted	in good faith, without collusion or fraud;		
B. If selected through this application process, the sub			
with the Florida Department of Agriculture and Consu	imer Services to manage its subrecipient agreement		
in			
a timely and accurate manner;			
C. Any funds awarded as a result of this application pr	ocess will not be used to supplant or replace any		
state			
or local funds;			
D. Any funds awarded as a result of this application process will not be used as matching funds to apply			
for			
or receive other federal funds;			
E. No federal funds will be used as match for funds awarded as a result of this application process.			
F. The undersigned has full authority to bind the appli	cant.		
Authorized Representative Name: Wazir Ishmael	Title: City Manager		
Signature of Authorized Representative:	Date Signed: 9/30/21		
Applicant Organization: City of Hollywood			



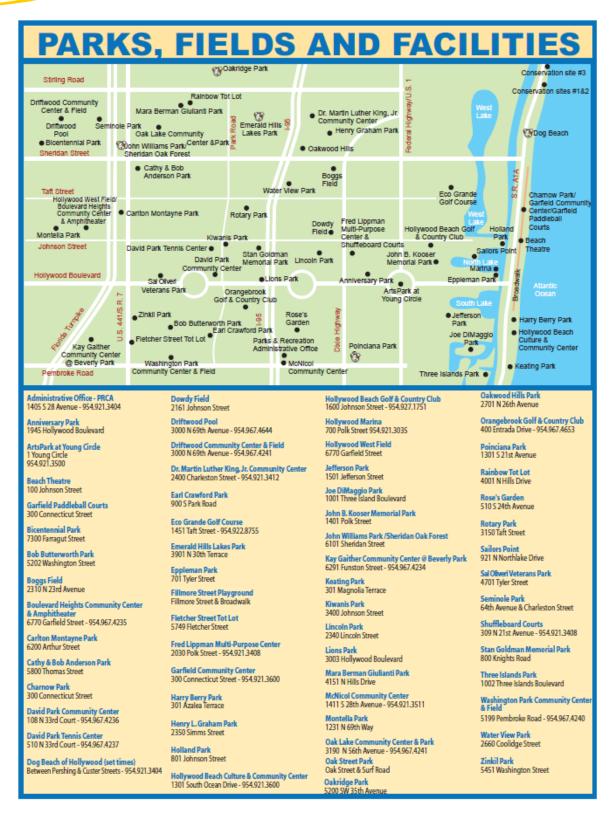
Citywide Map - Project Location



City-Wide Sub-Area Map

21-DG-11083112-001-A





21-DG-11083112-001-A



Existing Community Urban Forest













NOTIFICATION

Indoor public access suspended at City Facilities. Please use online services & drive thru. Read On...

Menu



In 2016, as part of the TD Green Streets Grant, the City of Hollywood added 57 new street trees to the Hollywood Gardens West neighborhood. (P

<u>roject Summary</u>)

The City-managed street trees in the medians and circles of this neighborhood alone have an annual value of

\$16,225



Once they are full grown, the trees added by this grant will annually add another

NOTIFICATION

Indoor public access suspended at City Facilities. Please use online services & drive thru. Read On...

Menu



Building Hurricane Resilience into our Tree Canopy

Every major storm gives us an opportunity to assess where improvements must be made so that we fare better in the next one. One major impact the City of Hollywood saw from Hurricane Irma (2017) was a loss of tree canopy.

Creating tree canopy that will weather future storms is beneficial to our economies, quality of life, and environment. Fallen trees and branches result in power outages, physical hazards, and debris. Tree loss opens canopy and results in a loss of the benefit of that canopy including energy use reduction, property value benefits, neighborhood safety, stormwater management, air and water quality, and wildlife habitat.



The Urban Heat Island Effect is a concern in cities whose temperatures will rise in the future faster than the average global rate. Tree canopy is an effective and cost efficient way of mitigating the Urban Heat Island. When we lose tree canopy, we lose that mitigation benefit.

Resources for restoring or replacing tree canopy and landscaping:

UF|IFAS

The University of Florida (UF) Institute of Food and Agricultural Sciences (IFAS) has great and comprehensive resources for recovering and restoring your trees after a hurricane.

Learn, among other things:

Restoring your trees:

- How to straighten a young tree that fell during a storm
- How to safely remove damaged branches
- Trees that look dead or damaged after a storm may still recover. Learn how much time your trees will
 need to recover and how to prune and care for them while they do

Manage trees for future wind resistance:

How to prune your trees to prevent wind damage in future storms

Design new plantings for wind resistance:

- · Right tree, right place.
 - Plant trees under powerlines with mature heights shorter than the lines
 - avoid utilities by calling 811 before you dig
- How to design your planting to maximize wind resistance
 - trees planted together are more resistant than those alone
- How to choose species that are naturally more wind resistant
 - Native trees perform better than non-native



What species to plant for hurricane resistance:

Suggestions based on performance in past storms. Stay tuned for lessons learned from Irma.

Native Plants and Wildlife Habitat

Take advantage of the opportunity to restore your landscape to improve it! Plants native to coastal South Florida are adapted to high wind conditions and are better able to survive and recover after a hurricane than non-native plants. Using native plants reduces costs associated with watering and fertilizing. Native landscapes require less maintenance, saving you time! Native landscapes also provide environmental benefits by improving stormwater quality, reducing water pollution, and providing habitat for birds, butterflies, and other desirable wildlife.

- The <u>Florida Native Plant Society Broward Chapter</u> is an excellent resource to learn about plants native to Broward County and where to find them.
- The Institute for Regional Conservation's <u>Natives for Your Neighborhood</u> will provide you with a comprehensive data base of Florida native plants, searchable by zip code, including links to nurseries which carry them, butterflies that use them, and gardening tips.
- NatureScape Broward is your one stop shop for all things wildlife and Florida Friendly.
- The UF/IFAS <u>Florida Friendly Landscaping</u> Program will help you design your yard to maximize water conservation and utilize sustainable gardening practices.



The City of Hollywood is a Certified Community Wildlife Habitat through the National Wildlife Federation. Help us maintain our standing by certifying your yard today!

Certify here!

Your yard will need:

- 1. Food (can be plants with fruits, butterfly nectar plants, feeders, etc.)
- 2. Water (bird bath, pond, rain garden, canal, pool, oceaetc.)
- 3. Cover (bushes and other dense vegetation)
- 4. Place to raise young (mature trees, shrubs, butterfly host plants, nest boxes, etc.)

What is the value of street trees?



Economic

- Increase property values
- Reduce energy and water bills
- Absorb storm water to reduce flooding

<u>Social</u>

- Reduce driver speeds
- Improve safety
- Encourage walking
- Improve health and wellbeing of residents
- Improve neighborhood aesthetics

Environmental

- Enhance ecosystems and benefit wildlife
- Absorb storm water
- Reduce ambient temperature
- Improve air quality
- Absorb carbon

How can I learn the value of my trees?

You can measure the value of your own trees using the very simple tool at the <u>National Tree Benefit</u> Calculator. It's easy!

- Step 1: Identify your tree species.
- Step 2: Measure the diameter at 4.5 feet above ground. To get diameter, take a regular measuring tape and measure around the trunk (circumference) and divide by 3.14 (π)
- Step 3: Answer a basic question about the tree's location.

The National Tree Benefit Calculator will then give you an annual dollar value of benefits provided by your tree broken down by property value improvements, stormwater management, energy savings, air quality improvements, and CO₂ benefits.

How do I choose a tree to maximize value?

If you want to plan your tree planting in order to maximize the value and benefits of your trees, don't fret! There is a tool for that.



In the iTree suite of tools, used to measure the value