City of
Coral Gables
Heat Mitigation

Tuesday, Sept. 26, 2023









# CITY OF CORAL GABLES HEAT MITIGATION CITYWIDE HEAT IMPACT MITIGATION





Recommend and/or require developers to prioritize plantings of shade trees and maximize amount of pervious greenspace areas on site.

Prioritize the planting of native shade trees over palm trees.

City's Tree
Succession Plan to
permit planting of
new trees and keep
current tree canopy
coverage at or
above 40%.



Tree Trust Fund to mitigate for permitted removal of trees.

Develop and increase green areas citywide to mitigate heat, including the reduction of asphalt and concrete where feasible.

City Tree
Ordinance to
ensure tree canopy
is protected and
loss is mitigated.













PLAYGROUND DESIGN THAT FEATURES BOTH NATURAL SHADE AND INTEGRATED SHADE THROUGH DESIGN

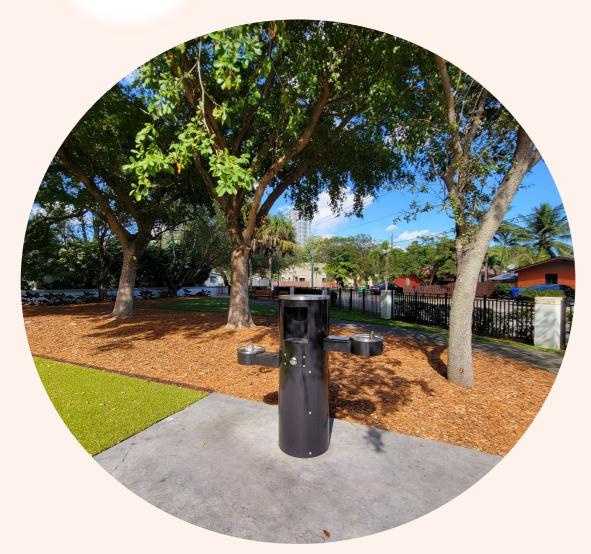
SCHEDULING OUTDOOR EVENTS UNDER RICH TREE CANOPY SHADE

INTEGRATING SHADE IN OUR PARKS, FACILITIES, AND SPECIAL EVENTS













**DRINKING FOUNTAINS** 

**MISTER STATIONS** 

**COOLING STATIONS AT EVENTS** 

ACCESS TO DRINKING FOUNTAINS, MISTERS, AND COOLING STATIONS IN OUR PARKS, FACILITIES, AND SPECIAL EVENTS











WATERFALLS AND CAVES



**COOL DAYS FOR PETS** 

ACCESS TO PUBLIC POOL FACILITIES – VENETIAN POOL





Park	Address	Area Rental Available	Baseball/Softball	Basketball Court	Benches	Bicycle Rack	Community Center	Covered Pavilion	Drinking Fountain	Fitness Gym/Equip.	Golf Course	Gymnastics Gym	Historical Landmark	Multi-Purpose	Parking Area	Paved Trail	Pet-Friendly	Picnic Tables	Playground	Racquetball Courts	Restrooms	Sidewalks	Soccer Field	Swimming Pool	Tennis Court	Unpaved Trail	Volleyball Court	Waste Receptacles	Water Access	Water Feature	Size in Acres
Alcazar Plaza	700 Alcazar Avenue																Υ												V	0	).14
Alhambra Water Tower	2000 Alhambra Circle				1								Υ				Υ													0	).51
Balboa Plaza	2405 De Soto Blvd.				1												Υ													<b>1</b> 0	0.10
Betsy Adams and the Coral Gables Garden Club Park	4650 Alhambra Circle				4				1							1	Υ	2	1									2		<b>1</b> 0	0.48
Blue Road Open Space	757 Blue Road																												Υ	0	).41
Boy Scouts House - Troop 7	1107 S Greenway Drive			1	6		Υ						Υ								2	1						2		0	0.60
Carlos S. Kakouris Park	Campo Sano Ave & Campo Sano Ct.				5																									0	0.32
Cartagena Park	401 Sunset Drive				4										Υ	1	Υ					1						1		2	2.65
Catalonia Park	807 Catalonia Avenue				3				1							1	Υ		1			1						2		0	0.31
City of Coral Gables Biltmore Golf Course	1210 Anastasia Avenue					1			4		1		Υ		Υ	1					2	13						20	Υ	1	138
Coral Bay Park	1590 Campamento Avenue			1	10	1		1	1					1	Υ	1	Υ	1	2									4		1	1.54
Coral Gables Adult Activity Center	2 Andalusia Avenue	Υ			1		Υ		2					1	Υ					1	4	1						3		0	0.22
Coral Gables Country Club	997 N. Greenway Dr	Υ			1	1	Υ		2	1			Υ	1	Υ			1			2	2		1				4		3	3.22
Coral Gables Merrick House	907 Coral Way				10	1							Υ		Υ	2		1			1	2						1		<b>1</b> 1	1.34
Coral Gables War Memorial Youth Center	405 University Drive	Υ	3	4	12	3	Υ	3	8	2		1		1	Υ		$\Box$	10	2		10	3	1				2	18		6	6.13
Carratur Clirita Duada	Carriaturi Cliria Duada				4						$\neg$		V		V		V					2			$\Box$					1 1	14.3

COMMUNITY INVENTORY LISTING INCLUDES COVERED PAVILIONS FOR SHADE, DRINKING FOUNTAINS, WATER ACCESS, AND WATER FEATURES SUCH AS MISTERS AND FOUNTAINS





# CITY OF CORAL GABLES HEAT MITIGATION PREVENTION & SAFETY PRECAUTIONS



AVOID HEAVY EXERTION, EXTREME HEAT, SUN EXPOSURE, AND HIGH HUMIDITY WHEN POSSIBLE. WHEN THESE CANNOT BE AVOIDED, SOME OF THE PREVENTATIVE STEPS THAT SHOULD BE TAKEN INCLUDE:



Address outdoor heat exposure safety as part of weekly safety meetings.



Monitor the heat index so that supervisors and workers can also recognize when to implement additional preventive measures. As heat index increases then more water and rest breaks become necessary.



Provide training on symptoms of outdoor heat exposure to prevent heat-related illness.



Closely observe employees not acclimatized to the heat, including new employees, those returning from absences, and all workers during a heat wave.



Use the buddy system to lookout for co-workers and conduct checks for heat illness symptoms.



Wear light-colored, light-weight, loose-fitting, breathable clothing such as cotton and hats.



Schedule heavy work during the coolest parts of day.



Take breaks when needed, and in high heat and humidity; take breaks in the shade or a cool area.



Provide sufficient amounts of water and/or sports drinks; employees encouraged to drink water frequently.





### CITY OF CORAL GABLES HEAT MITIGATION SIGNS OF HEAT STRESS





Heat rash happens when the skin becomes irritated because sweat is not evaporating.



Heat cramps are caused by fluid and electrolyte loss. Sweating causes a loss of body salts, and when levels are low enough, it can lead to muscle cramps or pain in the abdomen, arms or legs.



Heat syncope can happen after standing for extended periods of time or standing up suddenly from a seated position and can cause fainting, dizziness or light-headedness.



Heat exhaustion can happen after heavy sweating causes a loss of water and salt. People with heat exhaustion normally experience a headache, nausea, dizziness, weakness, irritability, thirst, a faster heartbeat and cool or clammy skin.



Heat stroke is the most serious heat-related illness. When a person experiences a heat stroke, they can exhibit signs of confusion and lose consciousness. Their body stops sweating and they may feel chills, exhibit slurred speech or have seizures. Heat stroke is a medical emergency and needs to be treated quickly.





#### CITY OF CORAL GABLES HEAT MITIGATION HEAT ACTION PLAN IF SIGNS OF HEAT STRESS SYMPTOMS OCCUR



Loosen any tight clothing.

Apply cool cloths or cold compresses to help their body's temperature decrease.

Cool down their body by fanning the person with a portable fan or item that can be used to circulate cool air.

Help them drink cool water at a slow but consistent pace. It's important to replenish fluids steadily. For less severe illnesses, such as cramps, sports drinks can also help replenish nutrients.

Get medical assistance if an employee's heat cramps don't subside or if any symptoms worsen. And as with any other injury or illness, don't leave the employee to fend for themselves. Have someone take the employee to get medical attention.

Call 911 immediately if a person shows signs of heat stroke such as confusion, fainting or seizures. While you wait for assistance, follow the other tips mentioned above. Someone should remain with the employee until help arrives.



# CITY OF CORAL GABLES HEAT MITIGATION COMMUNITY OUTREACH





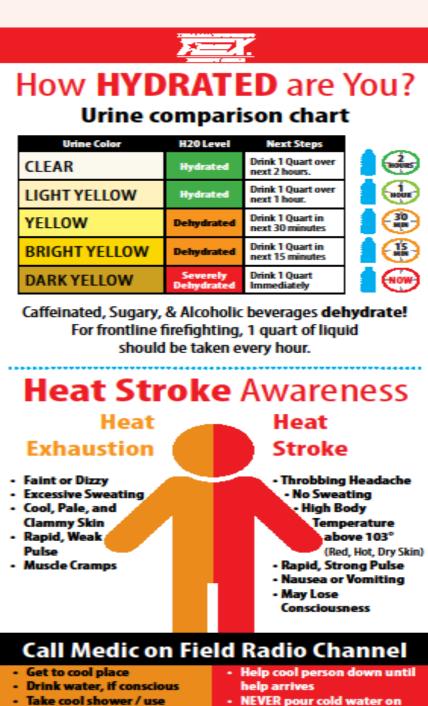


Patient monitoring of temperatures (state dashboard).

Partner with Emergency Management & Human Resources for employee notification of high heat conditions.

Training modifications for firefighters to address heat concerns.

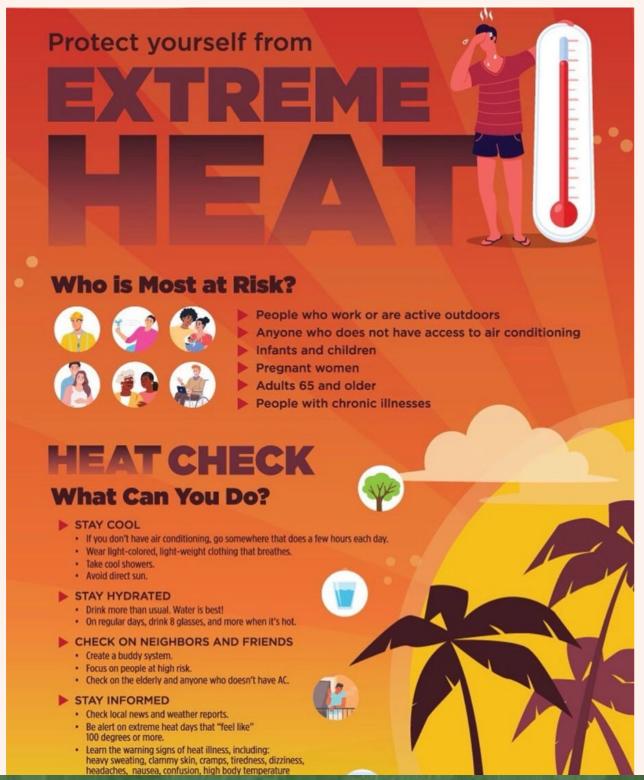
Social media campaigns.

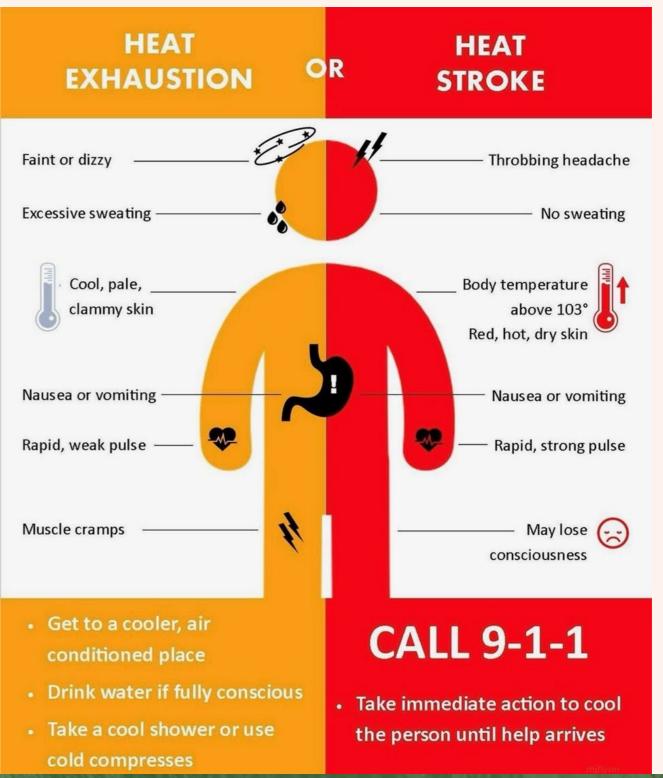




# CITY OF CORAL GABLES HEAT MITIGATION COMMUNITY OUTREACH









# City of Coral Gables

A world-class city with a hometown feel.





