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SOUTH PASADENA

Green Action Plan

ON THE MOVE towards sustainability

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Sustainability in South Pasadena

Sustainability has always been an important part of life in South Pasadena. Here are just a few of the ways South Pasadena has established itself as a leader in sustainable practices:

Certified Green Zone City In 2016, the City became the first in the nation to be certified as a Green Zone City by the American Green Zone Alliance. The certification ensures that grounds maintenance on municipal properties - spanning 41 acres - are serviced exclusively with low-noise, zero-emission, electric machinery. This equipment prevents South Pasadena from creating 31 tons of pollutants every year.

Plastic Bag Ban In 2014, the City banned plastic bags, two years before it became state law.

Expanded Polystyrene Ban In 2016, South Pasadena City Council voted to ban the sale and use of expanded polystyrene - a petroleum by-product that is neither readily recyclable nor biodegradable. The ban applies to restaurants, retail vendors, food packagers, food providers, and City vendors.

Tree City USA South Pasadena is proud to be a Tree City, 20 years and counting.

City Water Conservation Program For the past several years, the City has offered rebates and water conservation programs for its residents and business owners contributing to an 18% water use reduction between 2013 and 2018.

Clean Power Alliance In 2019, South Pasadena joined the Clean Power Alliance and chose to select 100% Green Power as the default option for our community.

On the Move

South Pasadena is dedicated to protecting the environment and our natural resources. To further strengthen the City's commitment to sustainability, City staff, with the help of South Pasadena residents and the Natural Resources and Environmental Commission (NREC), have gathered and prioritized sustainability initiatives in the form of this South Pasadena Green Action Plan (Green Plan).

The Green Plan, includes five overarching goals to address plastic reduction, water conservation, organics diversion, urban heat island mitigation, and planning for the future. Each goal includes strategies ("plays") and specific actions ("moves") for achieving these objectives.

This short-term plan will allow City staff to focus on building the foundation for achieving greater sustainability goals to be incorporated in the upcoming City's Climate Action Plan (CAP).

The Big League

Simultaneously to the Green Plan, the City is also in the process of completing a CAP: a long-term plan aimed to reduce the City's greenhouse gas emissions. The anticipated completion date of the CAP is the end of calendar year 2020. The short-term Green Plan will allow City Staff to evaluate the feasibility of sustainability initiatives immediately while the CAP is being developed. The actions in the Green Plan will act as stepping stones for the comprehensive CAP... practice for the big league!

The Team

The South Pasadena Green Action Plan was a collaborative effort that encompassed the values, ideas, and efforts from all City Department Staff, City Council, the NREC, and the passionate residents of South Pasadena.

The Players

The **Public Works Department** will be leading the game to ensure that all initiatives have been tackled and all progress and outcomes are documented. Additional players in the game include the Finance Department, Management Services, Community Services, the Building and Planning Department, the Natural Resources and Environmental Commission, the Chamber of Commerce, Metropolitan Water District, Upper San Gabriel Valley Municipal Water District, and Athens Services. As we progress through the plan, additional players will join the team.

Common Abbreviations

Green Plan	South Pasadena Green Action Plan
CAP	Climate Action Plan
NREC	Natural Resources and Environmental Commission
MWD	Metropolitan Water District
Upper District	Upper San Gabriel Valley Municipal Water District
PIO	Public Information Officer

Communication Channels

Communication channels are the pathways to be used to promote initiatives and relay important information. Other channels may be added as we progress through the plan.

Electronic

- City Website
- City Social Media
- Next Door
- e-Neighbors
- Chamber e-Newsletter
- Environmental Programs Listserv

Print

- Trash Bill Inserts
- Water Bill Inserts
- South Pasadena Newspapers
- Signage

In Person

- NREC Meetings
- City Council Meetings
- Chamber Networking Events
- Farmer's Market
- City Departments
- Local Events

Organizations

- South Pasadena Beautiful
- Transition South Pasadena
- Chamber of Commerce
- South Pasadena Unified School District
- South Pasadena Community Gardens
- Girl Scouts and Boy Scouts
- American Youth Soccer Organization
- Kiwanis Club of South Pasadena
- Rotary Club of South Pasadena

City Council

Marina Khubesrian, M.D., Mayor
Robert S. Joe, Mayor Pro Tem
Michael A. Cacciotti, Councilmember
Diana Mahmud, Councilmember
Richard D. Schneider, M.D., Councilmember

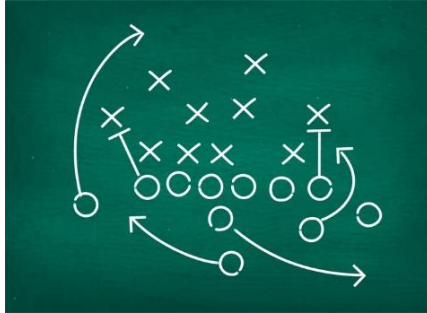
Natural Resources and Environmental Commission

Madeline C. Di Giorgi, Chair
Rona Bortz, Vice Chair
Amy Davis Jones, Commissioner
William Kelly, Commissioner
Stephen Leider, Commissioner
Cynthia Liu, Commissioner
Lauren Myles, Commissioner

City Staff

Shahid Abbas, Public Works Director
Kristine Courdy, Deputy Public Works Director –
Engineering & Operations
Julian Lee, Deputy Public Works Director –
Water & Sustainability
Arpy Kasparian, Water Conservation &
Sustainability Analyst

How to Play the Game



Goal → what we want to accomplish

Play → how we will reach the goal (strategy)

Move → the action to be taken

Field → which sectors are involved: municipal, commercial, residential, or schools

Players → stakeholders or departments involved

Score → how the completion of the move is measured (deliverables)

Clock → projected time of completion

FY19/20 Q3 = January 2020 - March 2020

FY19/20 Q4 = April 2020 - June 2020

FY20/21 Q1 = July 2020 - September 2020

FY20/21 Q2 = October 2020 - December 2020

FY20/21 Q3 = January 2021 - March 2021

FY20/21 Q4 = April 2021 - June 2021

Support → additional resources needed to complete the move

**italicized* → to be completed if additional resources are available

Overview of Goals



Goal I

Work Towards Making South Pasadena a Plastic-Free City

Plays: 3
Moves: 9
*Moves: 5

It is no longer enough to recycle our plastics – it's time to shift the focus on reducing them from the start.



Goal II

Enhance Water Conservation Projects and Programs

Plays: 4
Moves: 16
*Moves: 1

Water is a precious resource in California and droughts are all too common. Identifying water waste and altering behaviors is key to conserving water.



Goal III

Increase Organics Diversion from Landfill

Plays: 5
Moves: 10
*Moves: 6

With landfills filling up at an alarming rate, increasing diversion efforts is crucial. In 2018, one third of the 39 million tons of waste Californians disposed of were compostable organic materials.

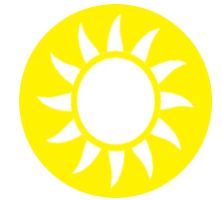


Goal IV

Mitigate Impacts of the Urban Heat Island Effect

Plays: 4
Moves: 6
*Moves: 5

The loss of vegetation causes urban areas to become warmer than their surrounding rural areas creating a heat island. These higher temperatures increase peak energy demand, air pollution, and heat-related illness.

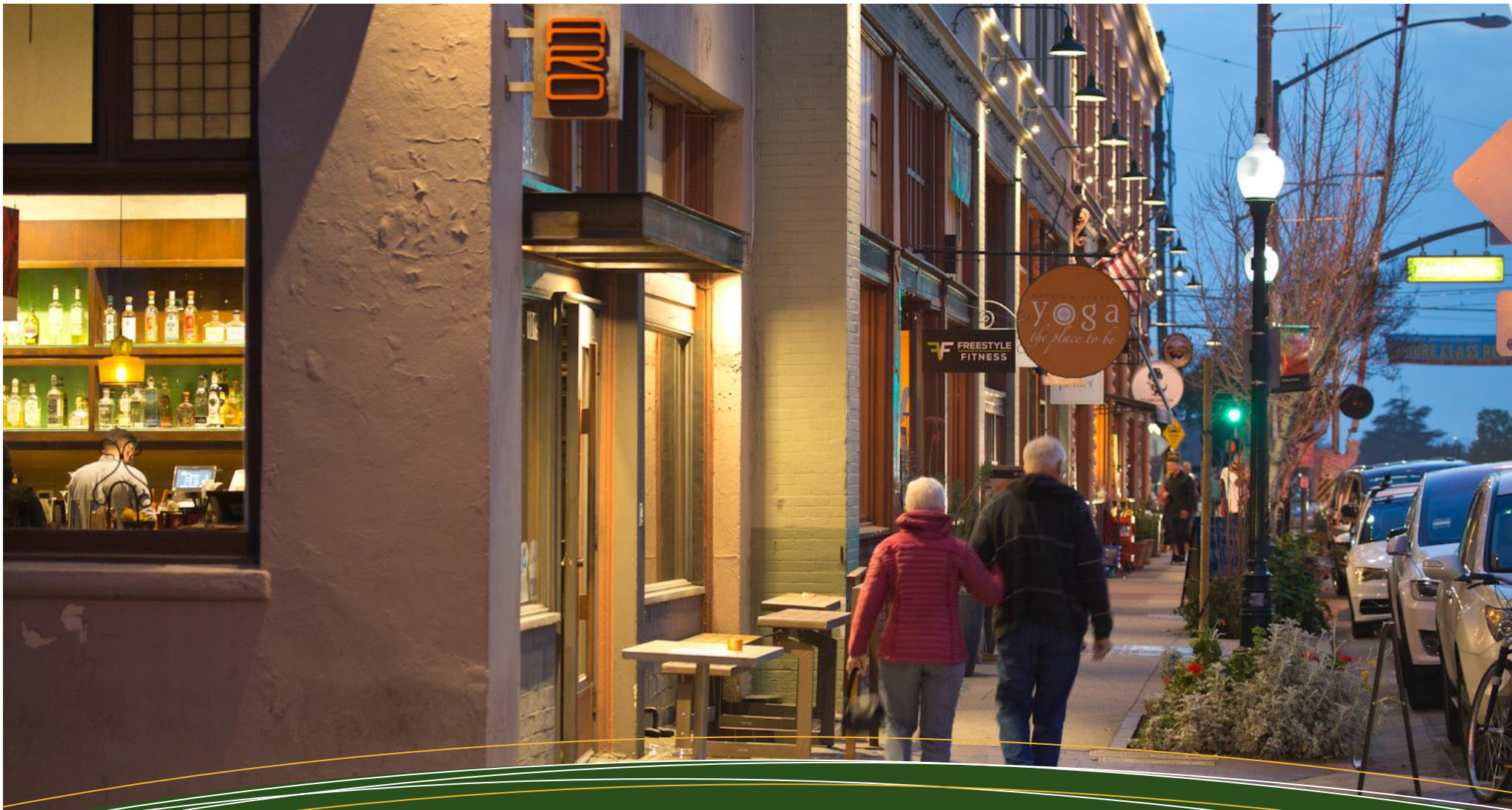


Goal V

Prepare for the Consideration of Future Sustainability Initiatives

*Moves: 5

To stay on top of the game, we must always look ahead.



GOAL I Work towards Making South Pasadena a Plastic-Free City

Goal I: Work Towards Making South Pasadena a Plastic-Free City

Play 1: Reduce use and sale of single-use plastics.

Move I.1.1: Update the City's Environmentally Preferable Purchasing (EPP) Policy to be adopted by all City Departments. A strong EPP policy eliminates over-ordering, reduces waste, and guides departments to purchasing local and eco-friendly options including recycled copy paper and compostable utensils.

Move I.1.2: Develop a plastic-free/zero-waste guide for City events. A zero waste guide will provide specific steps to City staff on how to set up a plastic-free/zero waste event. It should include instructions on how to reduce plastics, obtain organics bins, post educational signage, and other steps vendors and event coordinators can take to ensure that a minimal, if not zero, amount of plastic is used.

Move I.1.3: Explore the possibility of banning single-use plastics in food service stores. Start the conversation among business owners to raise awareness of the issues with single-use plastics. Work with City departments and Chamber of Commerce to gauge fiscal impact and outline a possible plan for implementation.

Play 2: Encourage the use of reusables by providing resources, education, and funding.

Move I.2.1: Seek funding to install more water bottle refill stations in public areas. Water bottle refill stations are being installed in public parks. It would be beneficial to have stations installed in other public buildings including the Library, City Hall, and the Senior Center; however, installation is costly. Explore funding sources for this project.

Move I.2.2: Create an informational pamphlet on plastic alternatives and distribute to businesses. There are several plastic alternatives on the market. An informational pamphlet that lists the alternatives and options on where to obtain them will help businesses begin their switch to plastic-free single-use items.

Move I.2.3: Create checklists for businesses and restaurants on ways they can reduce their plastic and distribute. Checklists provide clear steps.

Move I.2.4: Encourage businesses to participate in "Tap," the app that identifies their location as a free water-refill spot. Promote the app through communication channels. Consider offering shoutouts to participating businesses on social media.

Move I.2.5: Create a Recycle & Reuse Directory. Many residents want to do their part to recycle their materials or repair their broken items instead of purchase new ones, but don't know where to do so. This directory would provide that information.

**Move I.2.6: Provide mini-grants or loans to businesses who need a jump start to switching to alternatives. Explore funding sources to provide mini-grants to businesses that would help them with initial costs for switching to alternatives. Grants can be awarded to those most in need.*

**Move I.2.7: Explore possibilities of establishing a beverage container recycling program in South Pasadena. With the closure of rePlanet and other recycling centers, residents have no where to go inside the City to recycle their beverage containers.*

**Move I.2.8: Provide plastic reduction items to residents including reusable water bottles, utensils, containers, etc. These items will help raise awareness and provide education on actual steps people can take to reduce their plastic. It will provide them with the tools they need to reduce their plastic consumption.*

**Move I.2.9: Provide workshops for parents to teach them how to prepare zero-waste lunches. Work with SPB, SPUSD, and PTA to put together workshops for parents. This will help reduce waste in schools.*

Play 3: Provide incentives and/or rewards for those actively working towards zero-waste.

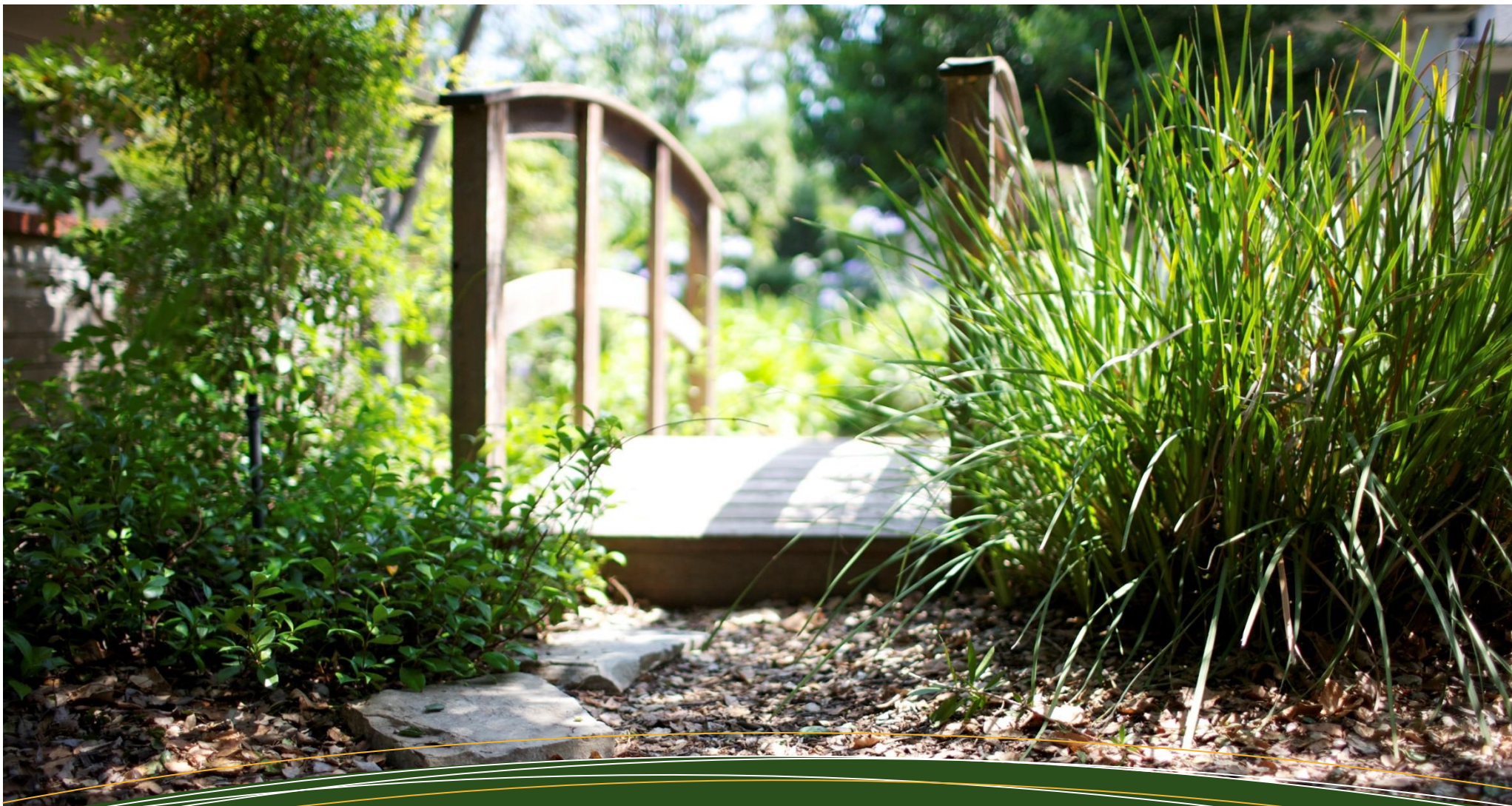
Move I.3.1: Encourage businesses to reward customers and employees who bring in their own coffee mug, water bottles, to-go container, etc. Offering a small monetary incentive for customers and employees who bring in their own beverage containers will reduce plastic use and possibly reduce amount of supplies needed for the business.

**Move I.3.2: Explore ways to recognize businesses who are implementing zero-waste practices. Sustainable practices can be difficult to implement for businesses. Those businesses who implement them in spite of the difficulties should be recognized and/or rewarded. Recognition programs encourage greater participation among other businesses and raise awareness among patrons. Some methods include: green business certification program, green business awards, certificate of recognition from City Council, etc.*

Goal I: Work Towards Making South Pasadena a Plastic-Free City

MOVE	FIELD	PLAYERS	SCORE	CLOCK	SUPPORT
Play 1: Reduce use and sale of single-use plastics.					
Move I.1.1: Update the City's Environmentally Preferable Purchasing (EPP) Policy to be adopted by all City Departments.	Municipal	<ul style="list-style-type: none"> ▪ Public Works ▪ Finance ▪ Management Svcs ▪ NREC 	<input type="checkbox"/> EPP	FY20/21 Q2	
Move I.1.2: Develop a plastic-free/zero-waste guide for City events.	Municipal	<ul style="list-style-type: none"> ▪ Public Works ▪ Finance ▪ Community Svcs ▪ NREC 	<input type="checkbox"/> Zero-waste Guide	FY20/21 Q2	
Move I.1.3: Explore the possibility of banning single-use plastics in food service stores.	Commercial	<ul style="list-style-type: none"> ▪ Public Works ▪ Chamber ▪ Management Svcs ▪ Finance 	<input type="checkbox"/> Presentation to Chamber of Commerce members <input type="checkbox"/> Meeting with City departments	FY19/20 Q4	
Play 2: Encourage the use of reusables by providing resources, education, and funding.					
Move I.2.1: Seek funding to install more water bottle refill stations in public areas.	Municipal	<ul style="list-style-type: none"> ▪ Public Works ▪ Community Svcs ▪ Finance ▪ Grants Mgmt 	<input type="checkbox"/> Up to 3 quotes for stations and installation <input type="checkbox"/> Summary of funding sources	FY20/21 Q3	
Move I.2.2: Create an informational pamphlet on plastic alternatives and distribute to businesses.	Commercial	<ul style="list-style-type: none"> ▪ Public Works ▪ Chamber ▪ PIO 	<input type="checkbox"/> Pamphlet	FY19/20 Q3	
Move I.2.3: Create checklists for businesses and restaurants on ways they can reduce their plastic and distribute.	Commercial	<ul style="list-style-type: none"> ▪ Public Works ▪ Chamber ▪ PIO 	<input type="checkbox"/> Checklist for office/retail <input type="checkbox"/> Checklist for restaurants	FY19/20 Q4	
Move I.2.4: Encourage businesses to participate in "Tap," the app that identifies their location as a free water-refill spot.	Commercial	<ul style="list-style-type: none"> ▪ Public Works ▪ Chamber ▪ PIO 	<input type="checkbox"/> Promotion through communication channels	FY19/20 Q4	
Move I.2.5: Create a Recycle & Reuse Directory.	Residential	<ul style="list-style-type: none"> ▪ Public Works ▪ Chamber ▪ PIO 	<input type="checkbox"/> Factsheet	FY19/20 Q3	
<i>*Move I.2.6: Provide mini-grants to businesses who need a jump start to switching to alternatives.</i>	<i>Commercial</i>	<ul style="list-style-type: none"> ▪ Public Works ▪ Grants Mgmt ▪ Finance ▪ Chamber 	<input type="checkbox"/> Grant funding source <input type="checkbox"/> Grant application	FY20/21 Q4	<i>Additional staff; Funding</i>
<i>*Move I.2.7: Explore possibilities of establishing a beverage container recycling program in South Pasadena.</i>	<i>Residential</i>	<ul style="list-style-type: none"> ▪ Public Works 	<input type="checkbox"/> Summary of options and resources	FY20/21 Q4	<i>Additional staff</i>
<i>*Move I.2.8: Provide plastic reduction items to residents including reusable water bottles, utensils, containers, etc.</i>	<i>Residential</i>	<ul style="list-style-type: none"> ▪ Public Works ▪ Finance 	<input type="checkbox"/> Up to 3 quotes/item <input type="checkbox"/> Sign-in sheet	FY20/21 Q2	<i>Additional staff; Funding</i>
<i>*Move I.2.9: Provide workshops for parents that teach them how to prepare zero-waste lunches.</i>	<i>Schools</i>	<ul style="list-style-type: none"> ▪ Public Works 	<input type="checkbox"/> Workshop	FY19/20 Q3	<i>Additional staff; Funding</i>
Play 3: Provide incentives and/or rewards for those actively working towards zero-waste.					
Move I.3.1: Encourage businesses to reward customers and employees who bring in their own coffee mug, water bottles, to-go container, etc.	Commercial	<ul style="list-style-type: none"> ▪ Public Works ▪ Chamber ▪ PIO 	<input type="checkbox"/> Promotion through communication channels	FY19/20 Q4	
<i>*Move I.3.2: Explore ways to recognize businesses who are implementing zero-waste practices.</i>	<i>Commercial</i>	<ul style="list-style-type: none"> ▪ Public Works ▪ Chamber 	<input type="checkbox"/> List of recognition strategies and resources needed to implement	FY20/21 Q3	<i>Additional staff</i>

**italicized → to be completed if additional resources are available*



GOAL II Enhance Water Conservation Projects and Programs

Goal II: Enhance Water Conservation Projects and Programs

Play 1: Provide education and promote greywater systems.

Move II.1.1: Create an Integrated Water and Wastewater Resources Management Plan (IWWRMP). An IWWRMP will include an integrated plan for potable water, recycled/non-potable water, sewer, and stormwater management/services. It will identify project/facility maintenance and financial plans.

Move II.1.2: Evaluate the feasibility of implementing a greywater rebate program. Implementing a greywater system conserves water and reduces costs. Review City of Pasadena's program and evaluate the feasibility of implementing a similar program.

Move II.1.3: Work with South Pasadena Beautiful to promote a Garden Tour focusing on greywater systems. This will increase awareness and education. Consider incorporating this into City's Earth Day events.

Move II.1.4: Create informational materials on greywater systems. These materials should include the following information: what they are, how they save water, cost estimates, how to implement in South Pasadena (approvals, codes, etc.).

**Move II.1.5: Educate/train Building and Planning Department on greywater systems. Trainings will ensure that staff are up-to-date on requirements for greywater systems.*

Play 2: Promote the use of water conservation devices.

Move II.2.1: Retrofit all water faucets in City facilities with low-flow aerators and post signage to raise awareness. Inventory all water faucets in City facilities and indicate current faucet's flow rate (gpm). Switch to low-flow aerators. Create and post stickers to raise awareness.

Move II.2.2: Evaluate the current water conservation program in respect to local vendor supplies. Determine how to incorporate a greater incentive for water conservation devices purchased within the City for the next fiscal year. Purchasing locally contributes to a smaller carbon footprint and keeps funds within our City.

Move II.2.3: Continue to offer businesses and residents free water conservation devices including low-flow aerators, showerheads, and hose nozzles. These devices go beyond behavioral changes and can provide actual water/cost savings.

Move II.2.4: Promote rebates offered by Metropolitan Water District on water conservation devices. Businesses and residents can get money back on their water conservation efforts.

Play 3: Provide educational materials and expert advice on water conservation practices.

Move II.3.1: Create checklists/pamphlets that give tips on how to conserve water at home, at work, and at school. Promotes awareness and provides education.

Move II.3.2: Partner with third party to offer water conservation assessments for homes and businesses. This will provide tailored feedback to residents and businesses and help with individual questions and concerns.

Play 4: Increase water conservation efforts outdoors.

Move II.4.1: Promote outdoor rebates offered by Metropolitan Water District (MWD) on outdoor water conservation devices and the turf removal program. Businesses and residents can get money back on their water conservation efforts. Promote through all communication channels including social media posts, City website, eNeighbors, etc.

Move II.4.2: Host workshops on turf removal and native plants. Explore other water-wise landscaping workshop possibilities. Turf Removal and Native Plant Workshops are offered through Upper San Gabriel Valley Municipal Water District. It is a great way to provide education and promote conservation efforts.

Move II.4.3: Promote rebates offered by the City on water efficient plants, native trees, drip irrigation, and sprinkler nozzles. Businesses and residents can get money back on their water conservation efforts. Promote through all communication channels including social media posts, City website, eNeighbors, etc.

Move II.4.4: Develop and promote an impervious surface removal rebate program. Removing impervious surface conserves water, captures stormwater, and replenishes the groundwater basin. Residents and businesses can get money back on their water conservation efforts. Promote through all communication channels.

Move II.4.5: Host a workshop on the Model Water Efficient Landscape Ordinance (MWELO). Coordinate with Metropolitan Water District (MWD) to bring their MWELO workshop to South Pasadena. This will be beneficial for Building and Planning staff, contractors, landscape architects, etc.

Move II.4.6: Where possible, incorporate green infrastructure design in roadway projects. Green infrastructure can include bioswales, bio infiltration systems, impervious pavement, etc.

Goal II: Enhance Water Conservation Projects and Programs

MOVE	FIELD	PLAYERS	SCORE	CLOCK	SUPPORT
Play 1: Provide education and promote greywater systems.					
Move II.1.1: Create an Integrated Water and Wastewater Resources Management Plan (IWWRMP).	Municipal	<ul style="list-style-type: none"> ▪ Public Works 	<input type="checkbox"/> IWWRMP	FY20/21 Q3	Consultant
Move II.1.2: Evaluate the feasibility of implementing a greywater rebate program.	Municipal	<ul style="list-style-type: none"> ▪ Public Works ▪ Building/Planning 	<input type="checkbox"/> Program outline and resources needed	FY20/21 Q3	Consultant
Move II.1.3: Work with South Pasadena Beautiful to promote a Garden Tour focusing on greywater systems.	Residential	<ul style="list-style-type: none"> ▪ Public Works ▪ Community Svcs ▪ PIO 	<input type="checkbox"/> Promotion through communication channels	FY19/20 Q3	
Move II.1.4: Create informational materials on greywater systems.	Residential	<ul style="list-style-type: none"> ▪ Public Works ▪ Building/Planning ▪ PIO 	<input type="checkbox"/> Factsheet	FY19/20 Q4	
<i>*Move II.1.5: Educate/train Building and Planning Department on greywater systems.</i>	<i>Municipal</i>	<ul style="list-style-type: none"> ▪ Public Works ▪ Building/Planning 	<input type="checkbox"/> Training <input type="checkbox"/> Session/Workshop	FY20/21 Q3	Consultant
Play 2: Promote the use of water conservation devices.					
Move II.2.1: Retrofit all water faucets in City facilities with low-flow aerators and post signage to raise awareness.	Municipal	<ul style="list-style-type: none"> ▪ Public Works ▪ PIO 	<input type="checkbox"/> Spreadsheet of old vs. new aerators, if possible	FY20/21 Q2	Signage funds
Move II.2.2: Evaluate the current water conservation program in respect to local vendor supplies.	Municipal	<ul style="list-style-type: none"> ▪ Public Works 	<input type="checkbox"/> Outline of potential incentives for local purchases vs. non-local	FY19/20 Q4	
Move II.2.3: Continue to offer businesses and residents free water conservation devices including low-flow aerators, showerheads, and hose nozzles.	Commercial Residential	<ul style="list-style-type: none"> ▪ Public Works 	<input type="checkbox"/> Sign-up sheet	FY19/20 Q3	
Move II.2.4: Promote rebates offered by Metropolitan Water District on water conservation devices.	Commercial Residential	<ul style="list-style-type: none"> ▪ Public Works ▪ MWD 	<input type="checkbox"/> Promotion through communication channels	FY19/20 Q3	
Play 3: Provide educational materials and expert advice on water conservation practices.					
Move II.3.1: Create checklists/pamphlets that give tips on how to conserve water at home, at work, and at school.	All	<ul style="list-style-type: none"> ▪ Public Works ▪ PIO 	<input type="checkbox"/> Checklist <input type="checkbox"/> Factsheet	FY20/21 Q2	
<i>*Move II.3.2: Partner with third party to offer water conservation assessments for homes and businesses.</i>	<i>Commercial Residential</i>	<ul style="list-style-type: none"> ▪ Public Works 	<input type="checkbox"/> Contract <input type="checkbox"/> Promotion of program	FY19/20 Q4	Consultant
Play 4: Increase water conservation efforts outdoors.					
Move II.4.1: Promote outdoor rebates offered by Metropolitan Water District (MWD) on outdoor water conservation devices and the turf removal program.	Commercial Residential	<ul style="list-style-type: none"> ▪ Public Works ▪ MWD ▪ PIO 	<input type="checkbox"/> Promotion through communication channels	FY19/20 Q3	
Move II.4.2: Host workshops on turf removal and native plants. Explore other water-wise landscaping workshop possibilities.	Municipal	<ul style="list-style-type: none"> ▪ Public Works ▪ Community Svcs ▪ Upper District 	<input type="checkbox"/> Turf Removal Workshop <input type="checkbox"/> California Friendly Landscape Workshop	FY20/21 Q4	
Move II.4.3: Promote rebates offered by the City on water efficient plants, native trees, drip irrigation, and sprinkler nozzles.	Municipal	<ul style="list-style-type: none"> ▪ Public Works ▪ PIO 	<input type="checkbox"/> New rebate applications <input type="checkbox"/> Promotion through communication channels	FY19/20 Q3	
Move II.4.4: Develop and promote an impervious surface removal rebate program.	Municipal	<ul style="list-style-type: none"> ▪ Public Works ▪ PIO 	<input type="checkbox"/> Rebate application <input type="checkbox"/> Factsheet <input type="checkbox"/> Promotion through communication channels	FY19/20 Q3	
Move II.4.5: Host a workshop on the Model Water Efficient Landscape Ordinance (MWELo).	Municipal	<ul style="list-style-type: none"> ▪ Public Works ▪ Chamber ▪ MWD 	<input type="checkbox"/> MWELo Workshop	FY20/21 Q1	
Move II.4.6: Where possible, incorporate green infrastructure design (such as bioswales) in roadway projects.	Municipal	<ul style="list-style-type: none"> ▪ Public Works 	<input type="checkbox"/> Green infrastructure in projects	FY20/21 Q4	



GOAL III Increase Organics Diversion from Landfill

Goal III: Increase Organics Diversion from Landfill

Play 1: Provide tools and education on how to avoid organics and food waste.

Move III.1.1: Connect restaurants and grocery stores with food donation organizations. Organizations such as Food Forward and Urban Harvester collect edible food that would otherwise be thrown away. Connecting restaurants and grocery stores to these organizations and starting food collection will reduce food waste, increase landfill/organics diversion, and provide food for those in need. Once information is gathered, distribute among commercial sector.

Move III.1.2: Provide strategies on how to avoid offering foods that are rarely eaten. This will help raise awareness on food waste and could help reduce costs.

Move III.1.3: Provide education on AB1826 and the mandated requirements for organics diversion. All businesses producing 4 cubic yards or more of waste are required to implement organics collection services. This requirement will apply to residents in the near future. It is important to know that efforts to divert organics from landfill are mandated by the state.

Move III.1.4: Provide strategies on how to avoid food waste at home. This will help raise awareness on food waste and could help reduce costs.

**Move III.1.5: Explore ways to create a neighborhood food library/harvest. Many residents have fruit trees and gardens that produce a surplus of food. Creating a space where neighbors can come together to share the produce will reduce food waste and create a community bond.*

**Move III.1.6: Provide strategies on how to avoid offering foods that are rarely eaten at school. This would be a resource for schools and could help reduce food waste as well as costs.*

Play 2: Provide tools and education on how to compost individually.

**Move III.2.1: Host free composting workshops or promote workshops in neighboring cities. This will provide residents and business owners the knowledge they need to start composting at home, increasing diversion and reducing costs.*

**Move III.2.2: Provide free or discounted composting bins to those who participate in workshops. This will help initiate on-site composting.*

Play 3: Connect with local composting hubs.

Move III.3.1: Connect with local composting organizations and determine if partnerships are possible. Connecting with local organizations can provide the City with valuable resources on organics diversion and composting.

Move III.3.2: Explore ways to establish a composting hub in South Pasadena. A local composting hub would provide businesses and residents a place to take their organics that is nearby and free. Determine requirements for locations and consider staffing options including volunteers.

Move III.3.3: Provide information on local composting hubs that are accepting compost. Spreading the word on existing composting hubs will raise awareness and increase organics diversion.

**Move III.3.4: Determine if any schools would be capable of establishing a composting hub. Schools can make great central locations and are a great point of information and influence.*

Play 4: Implement existing organics services.

Move III.4.1: Deploy organics bins at all City facilities where feasible. Work with Athens Services to deploy organics bins at City facilities where feasible. The City will set an example and raise awareness.

Move III.4.2: Educate staff and the public on what can and cannot be composted (i.e. create signage). Work with Athens Services to distribute flyers and signage for composting. Encourage City employees to be leaders in sorting organics.

Move III.4.3: Inform businesses via trash bill inserts and Chamber of Commerce of available organics services. Businesses that produce a large quantity of organics and cannot compost on site should implement Athens' organics services.

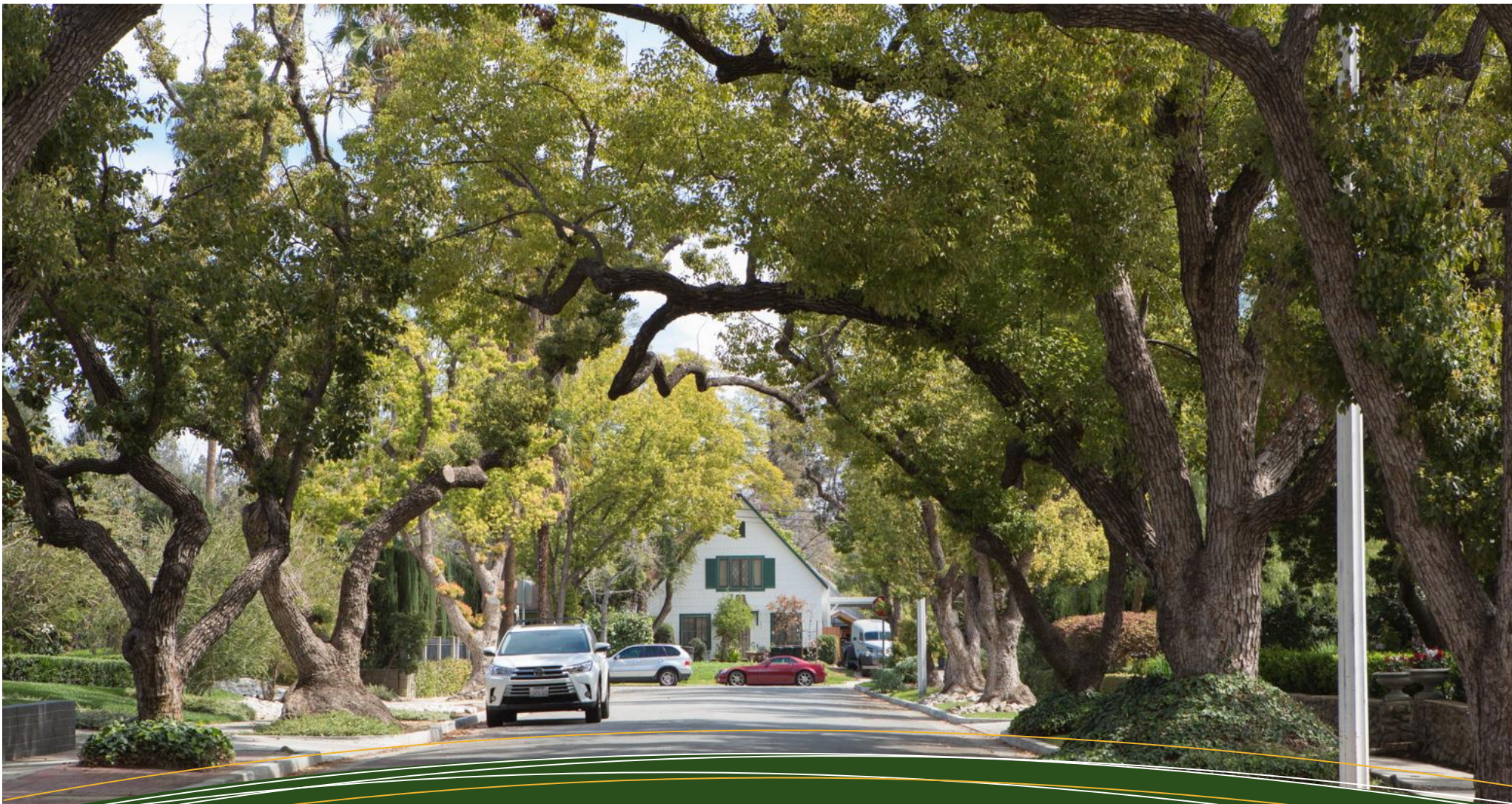
Play 5: Provide incentives/rewards for those actively working towards diverting organics.

**Move III.5.1: Explore ways to recognize businesses who are implementing organics diversion practices. Sustainable practices can be difficult to implement for businesses. Those businesses who do them in spite of the difficulties should be recognized/rewarded to encourage greater participation among other businesses and raise awareness among patrons. Some methods include: green business certification program, green business awards, certificate of recognition from City Council, etc.*

Goal III: Increase Organics Diversion from Landfill

MOVE	FIELD	PLAYERS	SCORE	CLOCK	SUPPORT
Play 1: Provide tools and education on how to avoid organics and food waste.					
Move III.1.1: Connect restaurants and grocery stores with food donation organizations.	Commercial	<ul style="list-style-type: none"> ▪ Public Works ▪ Chamber 	<input type="checkbox"/> List of organizations and how to participate in their programs	FY19/20 Q4	
Move III.1.2: Provide strategies on how to avoid offering foods that are rarely eaten.	Commercial	<ul style="list-style-type: none"> ▪ Public Works ▪ Chamber 	<input type="checkbox"/> List of strategies	FY20/21 Q2	
Move III.1.3: Provide education on AB1826 and the mandated requirements for organics diversion.	Commercial Residential	<ul style="list-style-type: none"> ▪ Public Works ▪ Chamber ▪ Athens/Consultant 	<input type="checkbox"/> Promotion through communication channels	FY19/20 Q3	
Move III.1.4: Provide strategies on how to avoid food waste at home.	Residential	<ul style="list-style-type: none"> ▪ Public Works 	<input type="checkbox"/> List of strategies	FY20/21 Q2	
<i>*Move III.1.5: Explore ways to create a neighborhood food library/harvest.</i>	<i>Residential</i>	<ul style="list-style-type: none"> ▪ Public Works 	<input type="checkbox"/> List of strategies	FY20/21 Q2	<i>Additional staff</i>
<i>*Move III.1.6: Provide strategies on how to avoid offering foods that are rarely eaten at school.</i>	<i>Schools</i>	<ul style="list-style-type: none"> ▪ Public Works ▪ SPUSD 	<input type="checkbox"/> List of strategies	FY20/21 Q2	<i>Additional staff</i>
Play 2: Provide tools and education on how to compost individually.					
<i>*Move III.2.1: Host free composting workshops or promote workshops in neighboring cities.</i>	<i>Commercial Residential</i>	<ul style="list-style-type: none"> ▪ Public Works ▪ Community Svcs ▪ Chamber ▪ Athens 	<input type="checkbox"/> Workshop	FY20/21 Q3	<i>Additional staff; Funding</i>
<i>*Move III.2.2: Provide free or discounted composting bins to those who participate in workshops.</i>	<i>Municipal</i>	<ul style="list-style-type: none"> ▪ Public Works ▪ Community Svcs ▪ Chamber ▪ Athens 	<input type="checkbox"/> Up to 3 quotes for composting bins <input type="checkbox"/> Summary of funding sources <input type="checkbox"/> Sign-up sheet	FY20/21 Q3	<i>Consultant</i>
Play 3: Connect with local composting hubs.					
Move III.3.1: Connect with local composting organizations and determine if partnerships are possible.	Municipal	<ul style="list-style-type: none"> ▪ Public Works 	<input type="checkbox"/> Meeting with organizations	FY19/20 Q3	Consultant
Move III.3.2: Explore ways to establish a composting hub in South Pasadena.	Municipal	<ul style="list-style-type: none"> ▪ Public Works ▪ Planning ▪ Athens 	<input type="checkbox"/> List of possible locations and resources needed	FY20/21 Q1	
Move III.3.3: Provide information on local composting hubs that are accepting compost.	Residential	<ul style="list-style-type: none"> ▪ Public Works ▪ PIO ▪ Community Svcs 	<input type="checkbox"/> Promotion through communication channels	FY19/20 Q4	
<i>*Move III.3.4: Determine if any schools would be capable of establishing a composting hub.</i>	<i>Schools</i>	<ul style="list-style-type: none"> ▪ Public Works ▪ SPUSD ▪ Community Svcs 	<input type="checkbox"/> Meeting with SPUSD	FY20/21 Q2	<i>Additional staff; Funding</i>
Play 4: Implement existing organics services.					
Move III.4.1: Deploy organics bins at all City facilities where feasible.	Municipal	<ul style="list-style-type: none"> ▪ Public Works ▪ Athens ▪ All City Depts 	<input type="checkbox"/> Organics bins deployed at City facilities	FY20/21 Q1	
Move III.4.2: Educate staff and the public on what can and cannot be composted (i.e. create signage).	Municipal	<ul style="list-style-type: none"> ▪ Public Works ▪ Athens ▪ PIO 	<input type="checkbox"/> Flyer <input type="checkbox"/> Signage	FY20/21 Q1	Signage funds
Move III.4.3: Inform businesses via trash bill inserts and Chamber of Commerce of available organics services.	Commercial	<ul style="list-style-type: none"> ▪ Public Works ▪ Athens ▪ Chamber 	<input type="checkbox"/> Increase in number of businesses with organics service	FY19/20 Q3	Printing funds
Play 5: Provide incentives/rewards for those actively working towards diverting organics.					
<i>*Move III.5.1: Explore ways to recognize businesses who are implementing organics diversion practices.</i>	<i>Commercial</i>	<ul style="list-style-type: none"> ▪ Public Works ▪ Chamber 	<input type="checkbox"/> List of recognition strategies and resources needed to implement	FY19/20 Q4	<i>Additional staff</i>

**italicized → to be completed if additional resources are available*



GOAL IV Mitigate Impacts of the Urban Heat Island Effect

Goal IV: Mitigate Impacts of the Urban Heat Island Effect

Play 1: Review and strengthen parking lot ordinances and/or enforcement if needed.

Move IV.1.1: Review parking lot codes and design standards and identify how they can be improved. Identify parking lot codes and review ways (if any) it addresses urban heat island effect. Discuss how existing codes can be improved to address urban heat island effect.

**Move IV.1.2: Educate/train Building and Planning Department on codes and ensure they are being enforced.* Training staff will ensure enforcement of codes and will allow them to provide builders with information on current codes.

Play 2: Review and strengthen cool roof ordinances and/or enforcement if needed.

Move IV.2.1: Review cool roof codes and design standards and identify how they can be improved. Identify cool roof codes and review ways (if any) it addresses urban heat island effect. Discuss how existing codes can be improved to address urban heat island effect.

**Move IV.2.2: Educate/train Building and Planning Department on codes and ensure they are being enforced.* Training staff will ensure enforcement of codes and will allow them to provide builders with information on current codes.

Play 3: Provide education and create resources for contractors, builders, property owners, etc.

Move IV.3.1: Create list of heat-tolerant and native shade trees and distribute. A list of fast-growing native shade trees would provide contractors and builders guidance when constructing parking lots.

**Move IV.3.2: Create informational materials (brochures, checklists, etc.) that clearly explain parking lot ordinances and how to comply.* These materials will increase awareness and provide simple information.

**Move IV.3.3: Create informational materials (brochures, checklists, etc.) that clearly explain cool roof ordinances and how to comply.* These materials will increase awareness and provide simple information.

Play 4: Increase the City's tree canopy and continue supporting tree education.

Move IV.4.1: Review the City's tree ordinance and identify how it can be improved. The tree ordinance ensures that trees in the City are protected. The ordinance should be reviewed to identify ways that it may be improved.

Move IV.4.2: Determine possibility of planting more trees near public transportation stops. Trees help mitigate the urban heat island effect.

Move IV.4.3: Update educational materials on tree watering and distribute among sectors. Distribute via South Pasadena Beautiful's outreach events and communication channels.

**Move IV.4.4: Create an Urban Forest Management Plan (UFMP).* An Urban Forest Management Plan will include inventories and assessments of the current status of the urban forest and a strategic plan for implementing and monitoring the City's urban forest vision. It will enable City staff to more effectively maintain and increase the City's tree canopy.

Goal IV: Mitigate Impacts of the Urban Heat Island Effect

MOVE	FIELD	PLAYERS	SCORE	CLOCK	SUPPORT
Play 1: Review and strengthen parking lot ordinances and/or enforcement if needed.					
Move IV.1.1: Review parking lot codes and design standards and identify how they can be improved.	Municipal	<ul style="list-style-type: none"> ▪ Building/Planning ▪ Public Works ▪ Management Svcs ▪ NREC 	<input type="checkbox"/> List of codes and improvements	FY20/21 Q2	Consultant
<i>*Move IV.1.2: Educate/train Building and Planning Department on codes and ensure they are being enforced.</i>	<i>Municipal</i>	<ul style="list-style-type: none"> ▪ Building/Planning ▪ <i>Public Works</i> 	<input type="checkbox"/> <i>Training</i> <input type="checkbox"/> <i>Session/Workshop</i>	<i>FY20/21 Q3</i>	<i>Consultant</i>
Play 2: Review and strengthen cool roof ordinances and/or enforcement if needed.					
Move IV.2.1: Review cool roof codes and design standards and identify how they can be improved.	Municipal	<ul style="list-style-type: none"> ▪ Building/Planning ▪ Pubic Works ▪ Management Svcs ▪ NREC 	<input type="checkbox"/> List of codes and improvements	FY20/21 Q2	Consultant
<i>*Move IV.2.2: Educate/train Building and Planning Department on codes and ensure they are being enforced.</i>	<i>Municipal</i>	<ul style="list-style-type: none"> ▪ Building/Planning ▪ <i>Public Works</i> 	<input type="checkbox"/> <i>Training</i> <input type="checkbox"/> <i>Session/Workshop</i>	<i>FY20/21 Q3</i>	<i>Consultant</i>
Play 3: Provide education and create resources for contractors, builders, property owners, etc.					
Move IV.3.1: Create list of heat-tolerant and native shade trees and distribute.	All	<ul style="list-style-type: none"> ▪ Public Works ▪ NREC 	<input type="checkbox"/> List	FY20/21 Q2	
<i>*Move IV.3.2: Create informational materials (brochures, checklists, etc.) that clearly explain parking lot ordinances and how to comply.</i>	<i>All</i>	<ul style="list-style-type: none"> ▪ Public Works ▪ <i>Building/Planning</i> ▪ <i>PIO</i> 	<input type="checkbox"/> <i>Factsheet</i>	<i>FY20/21 Q3</i>	<i>Additional Staff; Printing funds</i>
<i>*Move IV.3.3: Create informational materials (brochures, checklists, etc.) that clearly explain cool roof ordinances and how to comply.</i>	<i>All</i>	<ul style="list-style-type: none"> ▪ Public Works ▪ <i>Building/Planning</i> ▪ <i>PIO</i> 	<input type="checkbox"/> <i>Factsheet</i>	<i>FY20/21 Q4</i>	<i>Additional staff; Printing funds</i>
Play 4: Increase the city's tree canopy and continue supporting tree education.					
Move IV.4.1: Review the City's tree ordinance and identify how it can be improved.	Municipal	<ul style="list-style-type: none"> ▪ Public Works ▪ NREC 	<input type="checkbox"/> List of improvements	<i>FY20/21 Q4</i>	
Move IV.4.2: Determine possibility of planting more trees near public transportation stops.	Municipal	<ul style="list-style-type: none"> ▪ Public Works 	<input type="checkbox"/> List of places considered, and when they can be planted (if possible)	FY20/21 Q3	
Move IV.4.3: Update educational materials on tree watering and distribute among sectors.	All	<ul style="list-style-type: none"> ▪ Public Works ▪ PIO 	<input type="checkbox"/> Flyer	<i>FY20/21 Q1</i>	
<i>*Move IV.4.4: Create an Urban Forest Management Plan (UFMP).</i>	<i>Municipal</i>	<ul style="list-style-type: none"> ▪ Public Works 	<input type="checkbox"/> <i>UFMP</i>	<i>FY20/21 Q4</i>	<i>Consultant; Funding</i>



GOAL V Prepare for the Consideration of Future Sustainability Initiatives

Goal V: Prepare for the Consideration of Future Sustainability Initiatives

The South Pasadena Green Action Plan is only the beginning. The moves in this plan are just a few of the steps the City is committed to take towards sustainability. The following initiatives are important to the City and are on deck to be implemented.

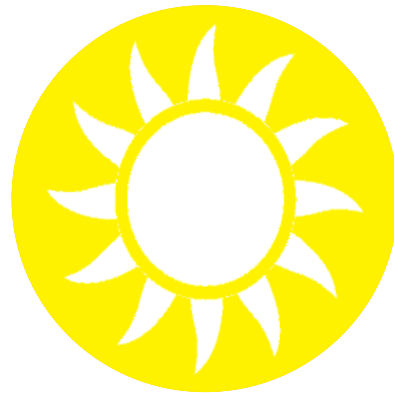
**Move V.1: Review the feasibility of the Renewable Energy Council's recommendations as outlined in their 2016 report, "A Clean Energy Pathway for South Pasadena."*

**Move V.2: Evaluate the feasibility of banning gas-powered lawn equipment including leaf blowers.*

**Move V.3: Establish a sustainability-focused group to spearhead the implementation of sustainability initiatives and practices in the commercial sector.*

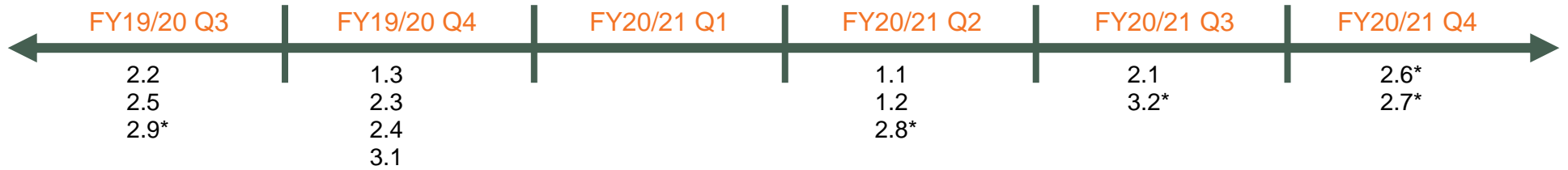
**Move V.4: Establish a sustainability-focused group to spearhead the implementation of sustainability initiatives and practices in South Pasadena schools.*

**Move V.5: Create a physical and/or virtual space focused on sustainability education and available to all South Pasadena residents.*

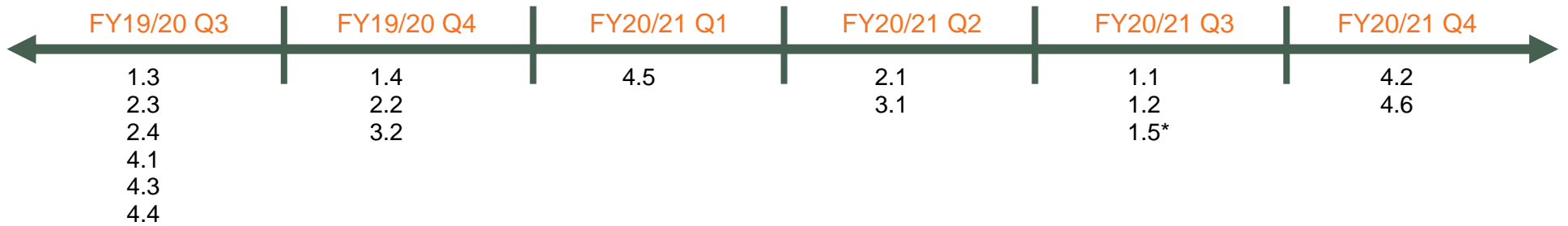


Timeline

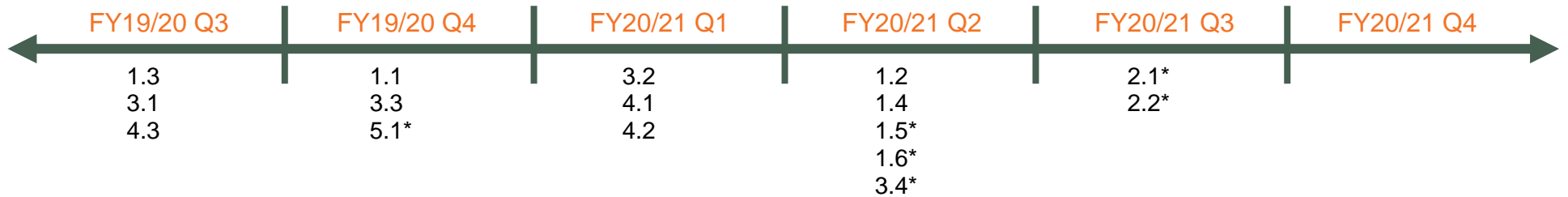
Goal I



Goal II



Goal III



Goal IV



* to be completed if additional resources are available