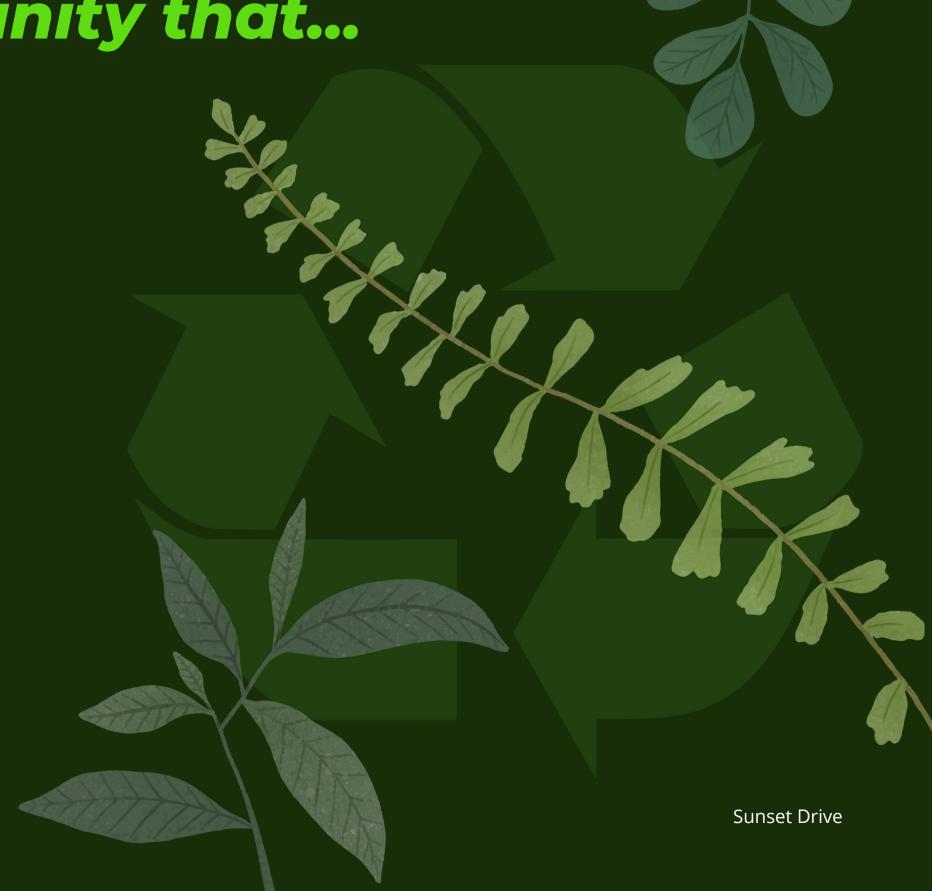
SCG CIRCULAR COMMUNITY 27 April 2023



SUNSET DRIVE - a community that...

- Believes in a Circular Economy
- Cares for the Environment
- Is Socially Responsible
- Promotes Self Governance

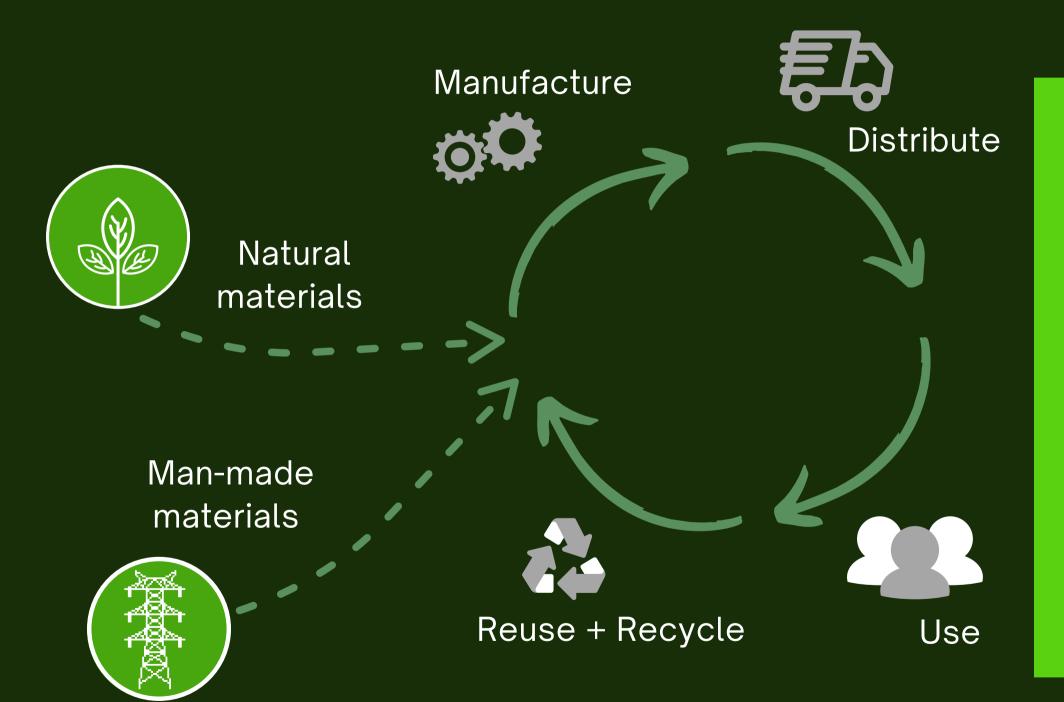




SUNSET DRIVE - a community that...

Supports Anti-Littering			Says "No" to Single-Use Plastics
Uses Eco-friendly Cleaning Products			Prioritizes Reusable Products
Participates in Meat Free Mondays	Enviror	ment [e]	Unplugs Electronics & Lights When Not in Use
Walks, Bikes, & Carpools			Participates in Effective Recycling
Unclogs Storm Drains			Saves Left-overs & Composts
Donates Unused Goods & Products			Practices Water Conservation
Mitgates Noise Pollution			Maximizes Use of a Product
Buys Locally & Responsibly Sources Products	Re	lieves	Efficiently Manages Personal & Pet Waste
Respects Others' Property		in a cular	
Gives back to the Community		onomy	Sees Something & Says Something
Treats Everyone Equally			Pledges to be Smoke-Free
Is Proud of Community Diversity			Prioritizes Self-Health & Wellness
Is Eager to Learn how to be More Sustainable			Follows All Speed Limits & Community Signage
Wants to Help Their Neighbor			Actively Participates in Gatherings & Meetings
Protects Consituntional Freedoms	Social [s]	Governance [g]	Voices Opinions and Concerns with the HOA





CIRCULARITY

WHAT IS A CIRCULAR ECONOMY?

- Using waste in a productive way
 - Renewables vs. finite materials
- Economically sustainable
 - Materials that will last longer and ultimately save money

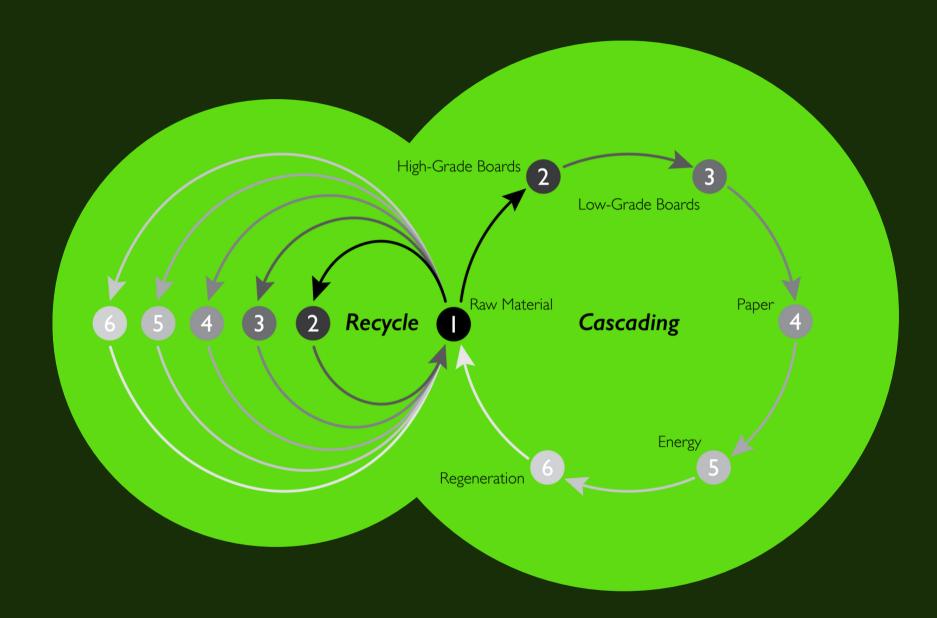


CASCADING AND REGENERATION

NATURAL CYCLE

Recycling vs. Cascading Process of Wood

- Maximizing use of Material
 - A regenerative lifecycle
 - Produces lower quality products from higher ones
- Economically sustainable
 - Less raw material will be used in production of goods



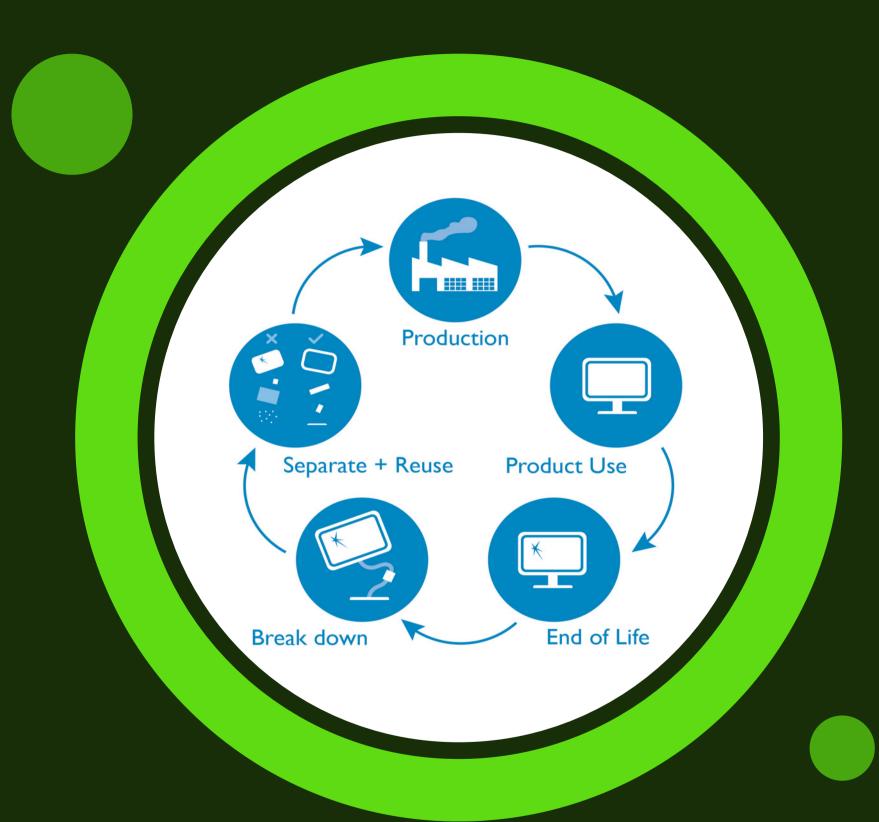


NON-BIODEGRADABLE

MAN-MADE CYCLE

Description Here

- Reusing finite resources
 - If not reused, value is entirely lost
- Up-cycling products + materials
 - Only discards broken pieces and reincorporates those that are still able to produce work





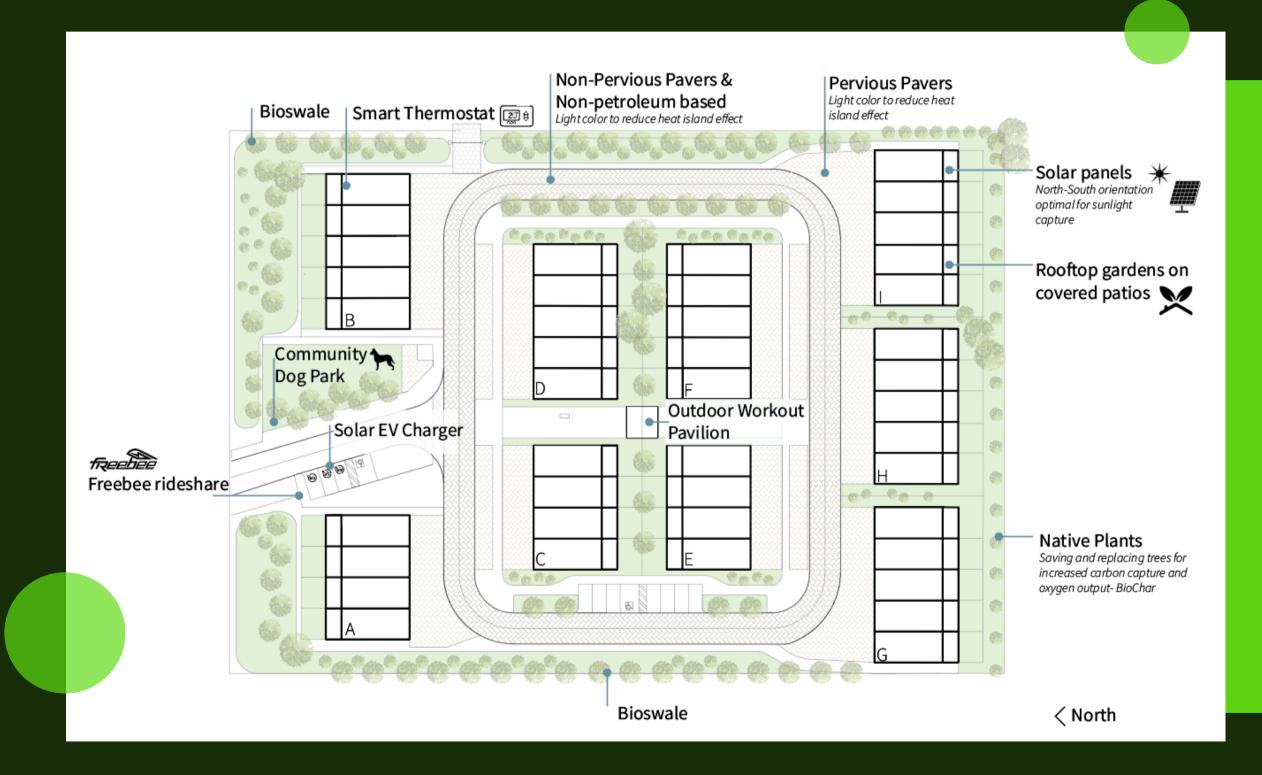


LAKE WORTH, FL

COMMUNITY INCLUSION

- Suburban Sprawl
- Accessibility
- Community Amenities
 - Plan to introduce public amenities into community
 - Not only for Sunset Drive residents, but for the entire Lake Worth community





AN SCG COMMUNITY

SUNSET DRIVE

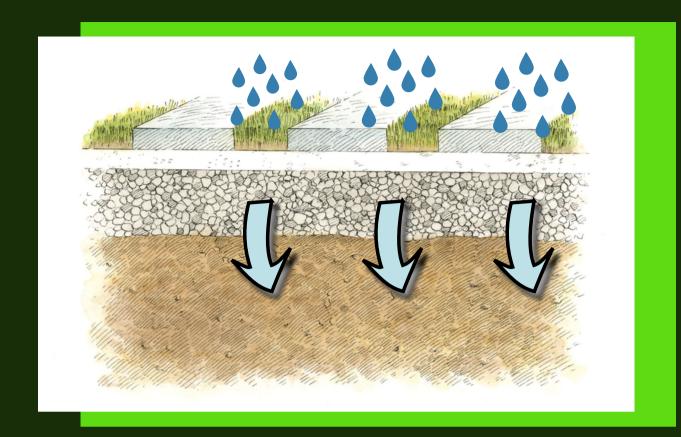
- Net-zero Community
 - Solar powered electric vehicles
- Building Typology
 - 3 Bed / 2 Bath Townhomes
 - 42 units across 9 buildings
- Amenities
 - Promotes outdoor activities
 - o Open to the entire Lake Worth neighborhood

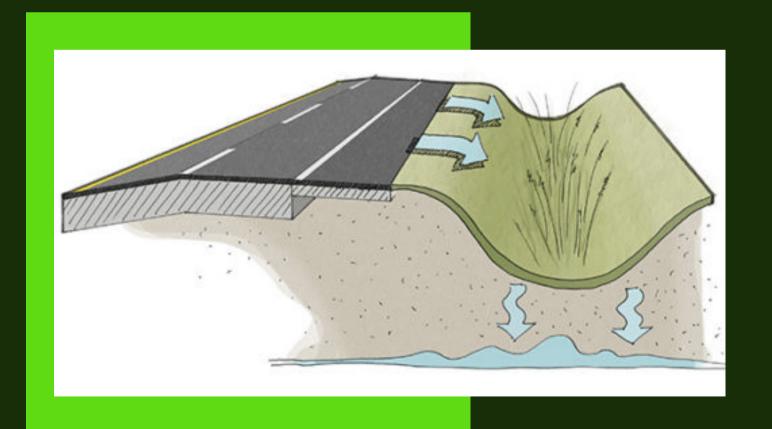


SUSTAINABLE LANDSCAPING

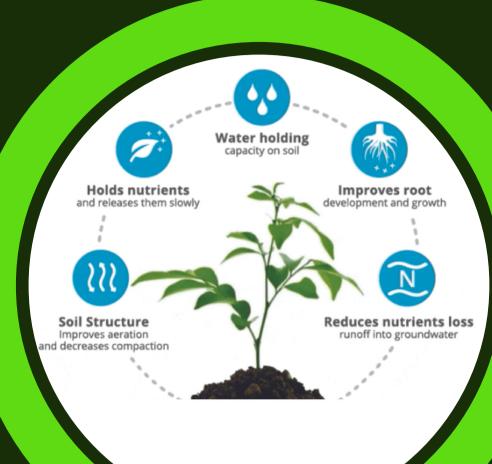
Bioswales with native plants are a **cost-effective** and **natural** way to control flooding, reduce pollution, and recharge the Biscayne Aquifer.

Driveways are paved with **permeable pavers**, another **cost-effective** way to **reduce** flooding and **recharge** the Biscayne Aquifer.











CARBON REDUCTION

Biochar is made from organic scraps and increases carbon retention in soil by **50%**.

Through carbon sequestration, trees can help intake and store carbon. Helping the trees grow and stay healthy can allow us to have a **net** positive carbon footprint.





Compost Garden

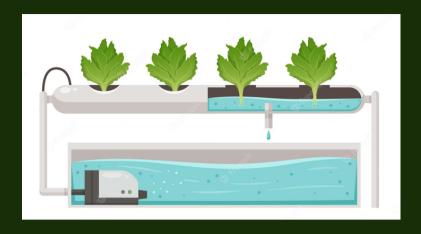
- **Expands** nutritional awareness
- Studies show a relationship with the environment can improve mental health
- Reduces grocery store visits
- Promotes community inclusion Lifestyle

POSSIBLE COMMUNITY GARDEN TYPOLOGIES

GREEN SPACE

Lifestyle

- Gardening
 - Embedded rootsstrengthens soil
 - **Prevents** erosion
 - Uses compost as a fertilizer
 - **Reduces** weeds
- Opportunity for residents to connect with nature



Hydroponic Garden

- Planted in PVC pipes
 - **Zero** soil use
 - Can be placed vertically
 - Requires **less** water than traditional gardening
 - Prevents soil erosion and chance of weeds



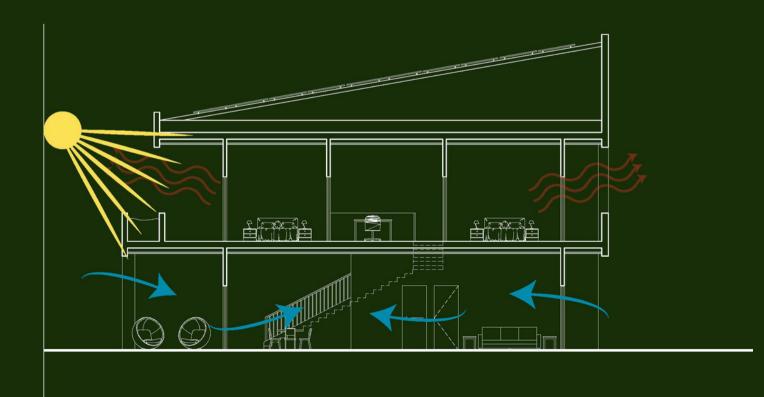


TRANSPORTATION

- Partnering with Freebee
 - Eco-friendly ride sharing company
- All Electric Vehicles
 - Reduces carbon footprint of entire community
- Personal Freedom
 - Allows residents to travel as required without the need of personal vehicles



TYPICAL RESIDENCE



• Site Orientation

Optimal solar panel orientation & N/S glazing for shade

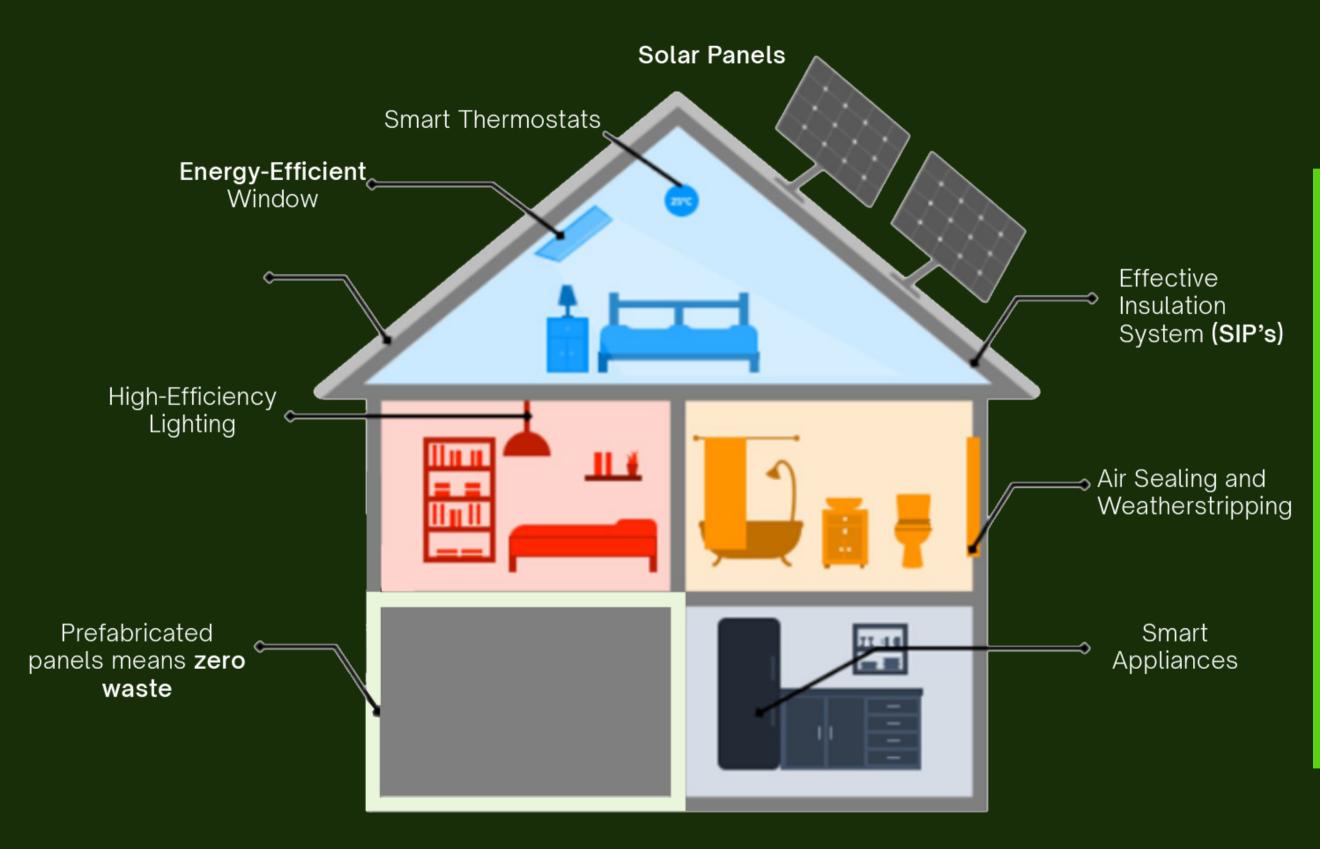
• Building Typology

Townhomes share internal walls = less building material

• Unit Design

- Private green space + terraces
 - promotes well-being
- Passive ventilation
 - reduction in necessary HVAC use
- Smart technology
 - reduces use of electricity

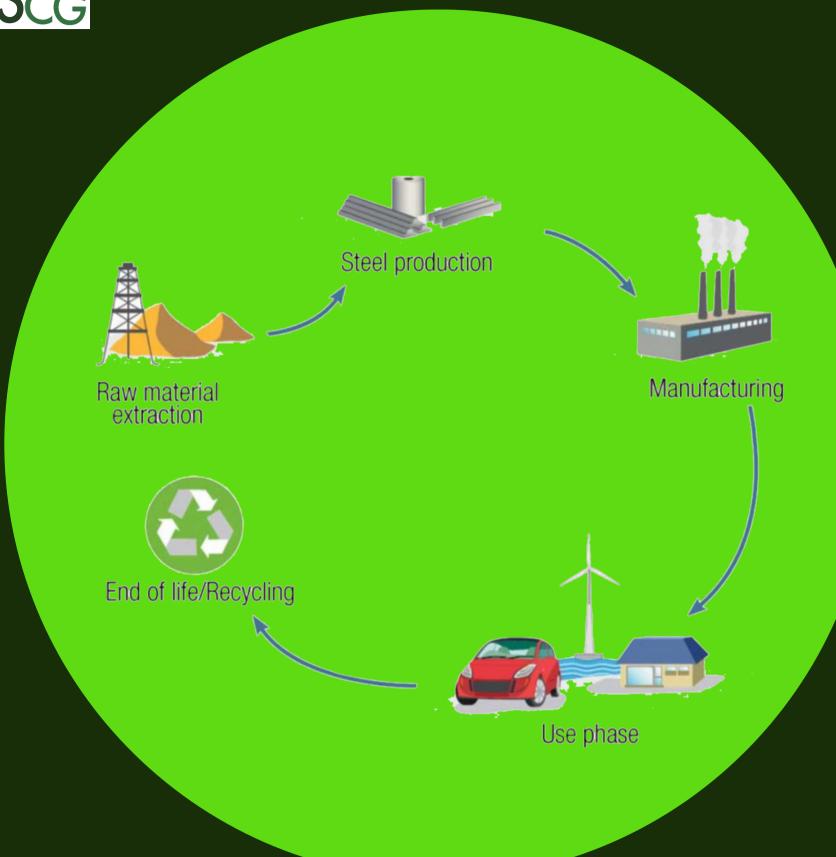




ENERGY EFFICIENT DESIGN

The result of using all of these approaches is a design system that is extremely **strong**, **energy-efficient** and **cost-effective**.





STEEL

is climate resilient and recyclable.

Resistant to deterioration, decreases reparation, and maintenance costs.

Compared to...

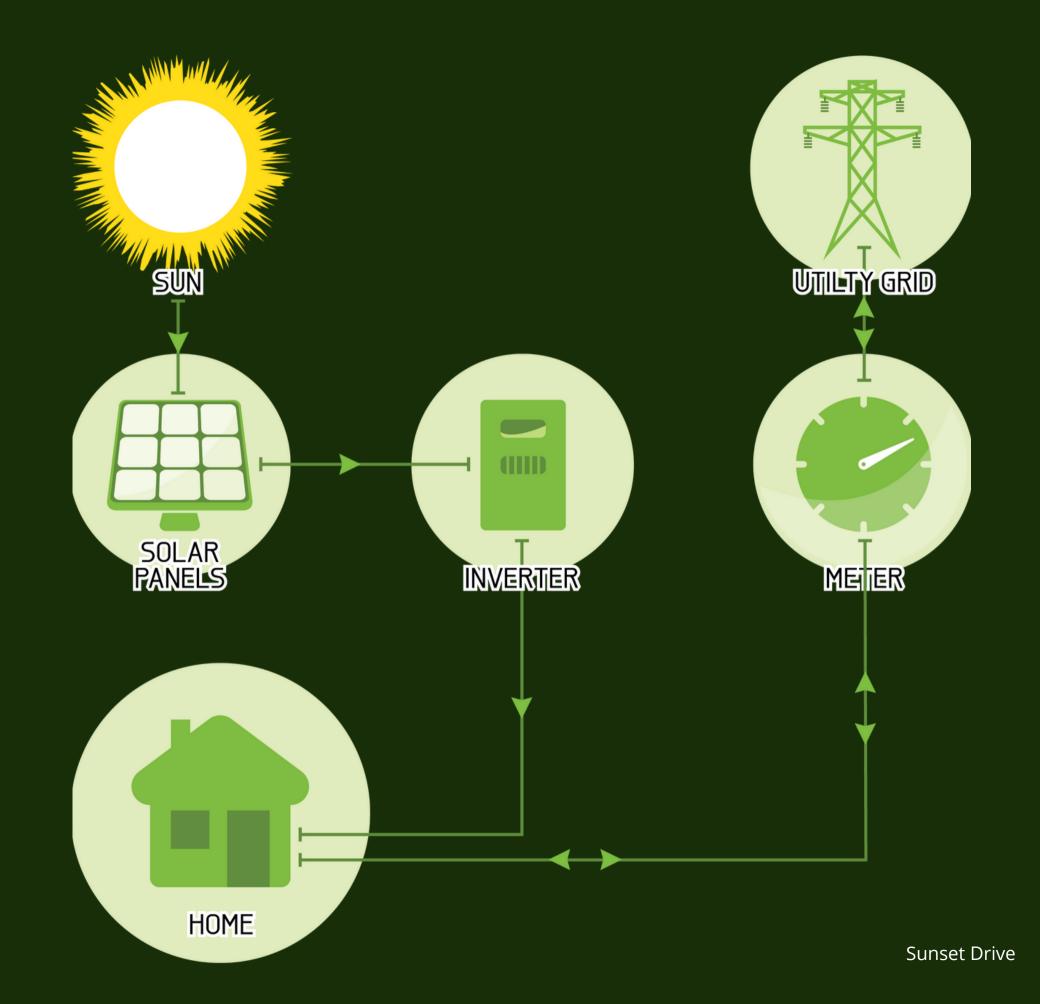




NET ZERO ENERGY

A grid-connected system allows you to power your home with renewable energy, and any excess electricity produced is fed back into the grid.

When renewable resources are unavailable, electricity from the grid supplies your needs.



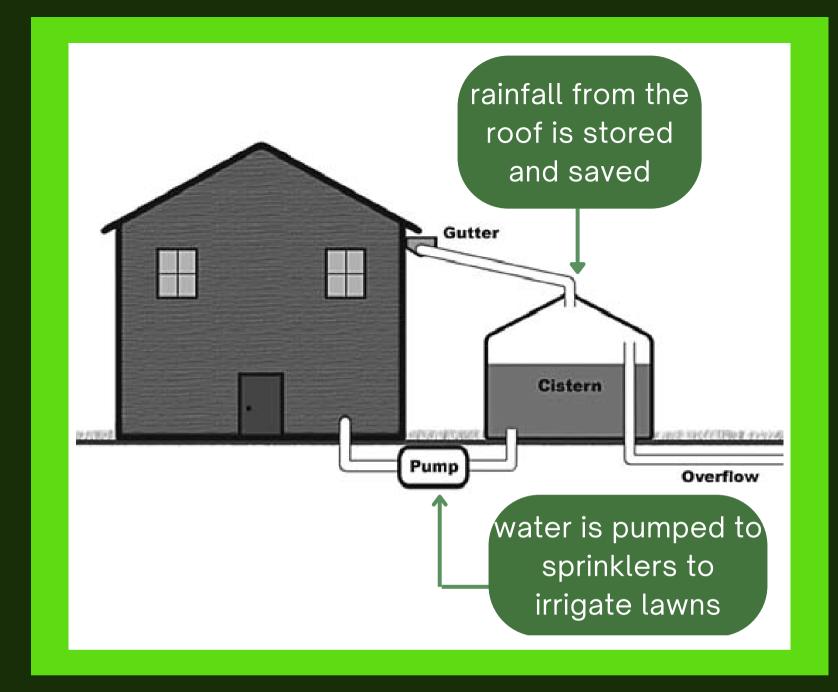


WATER CONSERVATION



Toilet Flushing accounts for about 30% of water use in homes

National Standard= 1.6 gpf
Water sense toilets= 1.28 gpf



25,000 gallons per year! Using a natural resource like stormwater relieves stress faced by water treatment plants and saves money and clean water for drinking.



WORKFORCE HOUSING

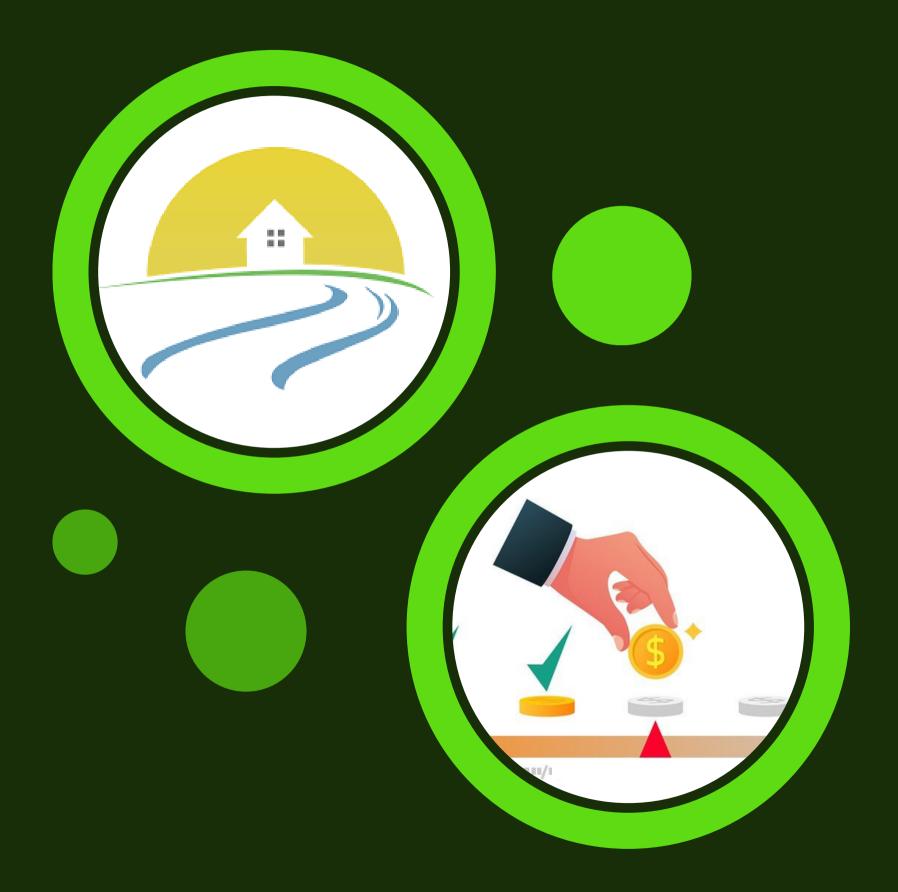
SCG' strives to create affordable workforce housing and bring significant environmental and social progress to the Lake Worth Community.





SCG developments are meant to bring positive change-makers and essential workers to the community: teachers, government employees, law enforcement, emergency responders, doctors, and more.





PATHWAY TO HOMEOWNERSHIP

Rent will remain **steady** and won't increase based on market demand. Instead, they will be based off of a local average income.

On the **3rd year** of living in the Sunset Drive Community, your rent payment becomes your monthly mortgage payment.

(With no down payment required!)



GREEN LOANS

Residents can obtain **green loan** mortgages with **low**, **fixed** interest rates.

Sustainable development, paired with eco-friendly resident practices, allow for green loan eligibility.

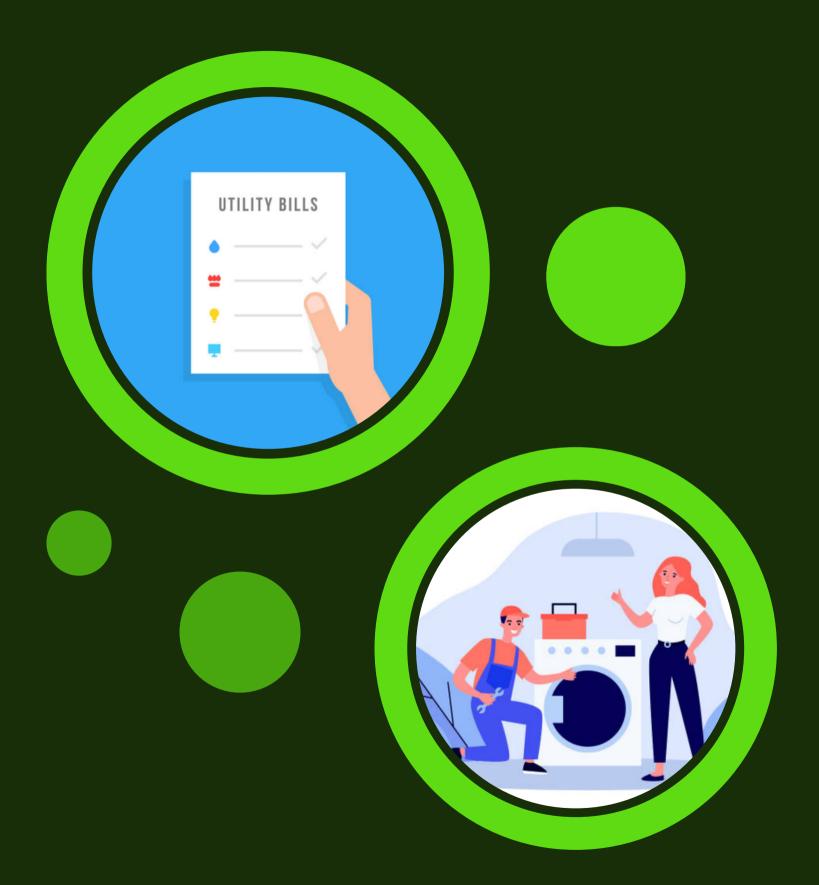
This feature will attract and incentivize residents that will contribute to the **sustainable mission** of SCG, all while making homeownership possible for a broader audience.



Adjustable rate

Fixed rate





HOA COMMUNITY

Residents will be automatically serviced from management within 24 hours to promote **efficiency**, **livability**, and **comfort** in the community.

Utility usage will be shown to residents through **easily accessible** technology HOA will have **low fees** because the townhouses will be available for purchase.



Things That Can Be Upcycled In Your Home:



Glass





Metal



Fabric



Wood



UPCYCLING: FROM SCG'S SUSTAINABLE LIVING GUIDE

HOA- RESIDENT EDUCATION

- Sustainable Living Guide
 - Provided by SCG for residents
 - Highlights:
 - sustainable features of homes
 - how residents can be more environmentally friendly
- Community Family
 - application process to admit sustainable individuals
 - continuously educating residents
 - voting on different rules within the community