



Fusing nature and technology
into innovative products
for sustainable and equitable impact

NATURE-BASED  **SMART-TECHNOLOGY**  **SUSTAINABLE**  **EQUITABLE**

Dave Tilley
www.coolgreenshelters.com
www.livingcanopies.com
dave@livingcanopies.com
301-789-5099

Issues & Opportunities

- No Shelter
- Vulnerable Groups
- Unattractive
- Prominent Location
- Climate Change
- Urban Heat
- Stormwater Management



North Bound Baltimore Ave, Brentwood, MD

Seating Needed!



Montgomery Co. Hwy 29

Shade Needed!



Hyattsville, MD

Old Solution: Traditional Shelters

- Protection
- Unremarkable
- Adds to Urban Heat
- Mismanages Stormwater
- No Carbon Capture



Needs of Towns

MOBILITY

Create ability for easy and efficient movement for work and living

GREEN

Improve the well-being of people, communities, and the environment

EQUITY

Provide equitable & safe access to city services for all citizens





Zephaniah Farm Vineyard, Leesburg, VA

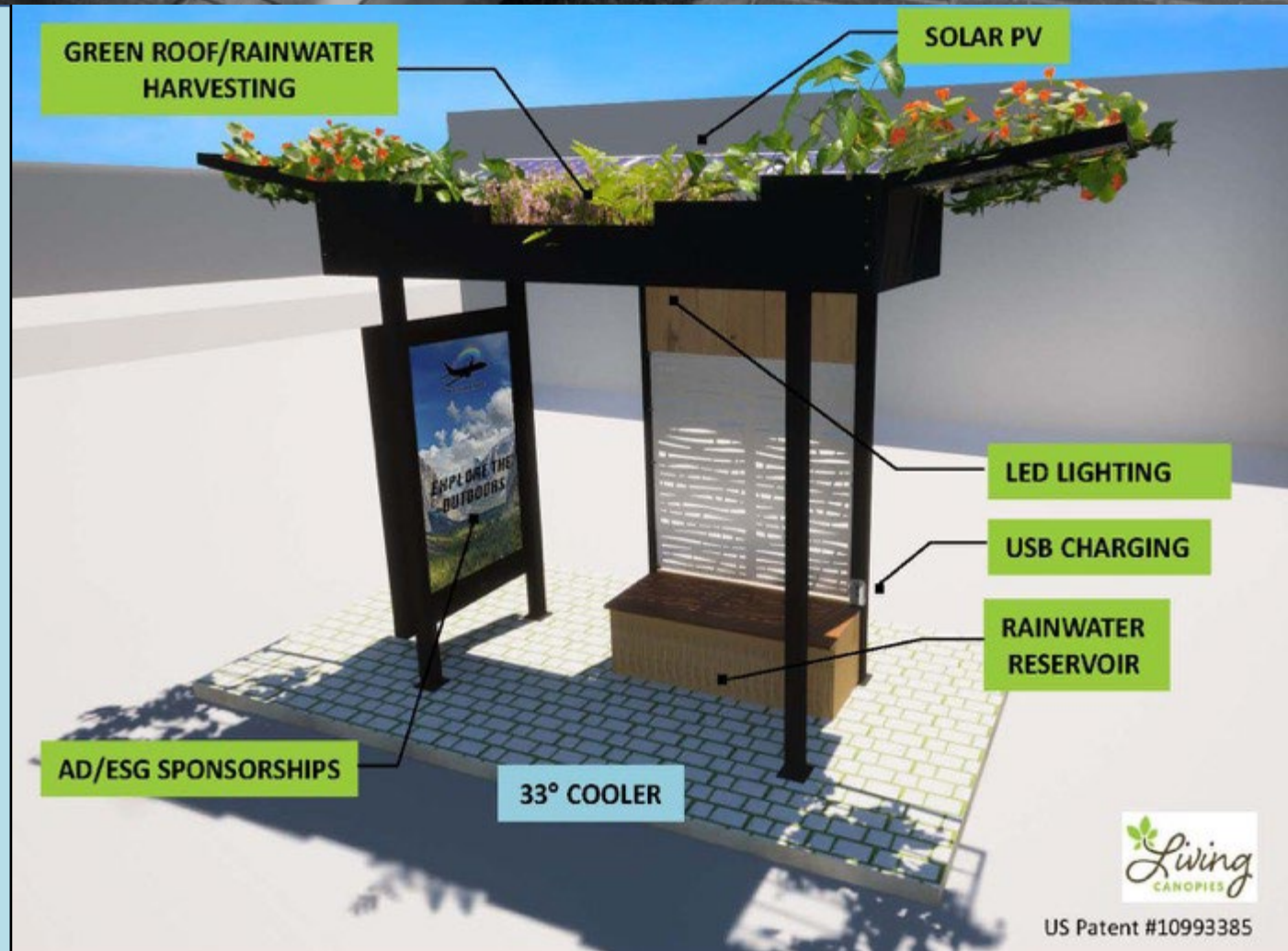
A Better Solution: Living Canopies

- Pleasant & Sustainable Shade
- Cool & Green Environment
- Smart Automated Irrigation
- Solar Powered

COOL GREEN SHELTERS FOR BUS STOPS

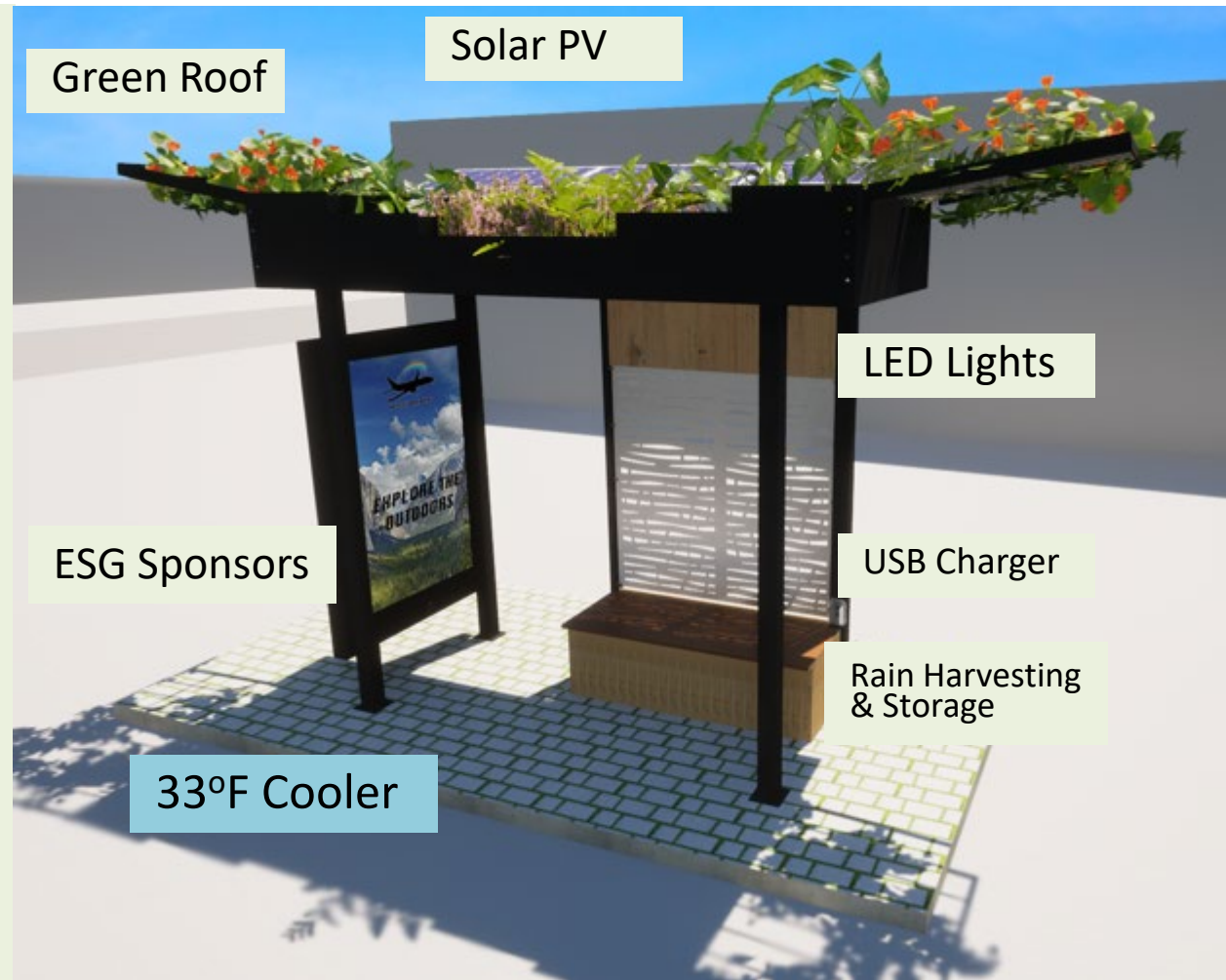
Key Features

- Weather protection
- Solar power (300 W)
- LED lighting
- Charging ports
- Green roof
- Heat reduction
- Evaporative cooling
- Stormwater management
- Green infrastructure
- ESG Sponsorships



Benefits for Towns, Citizens & Environment

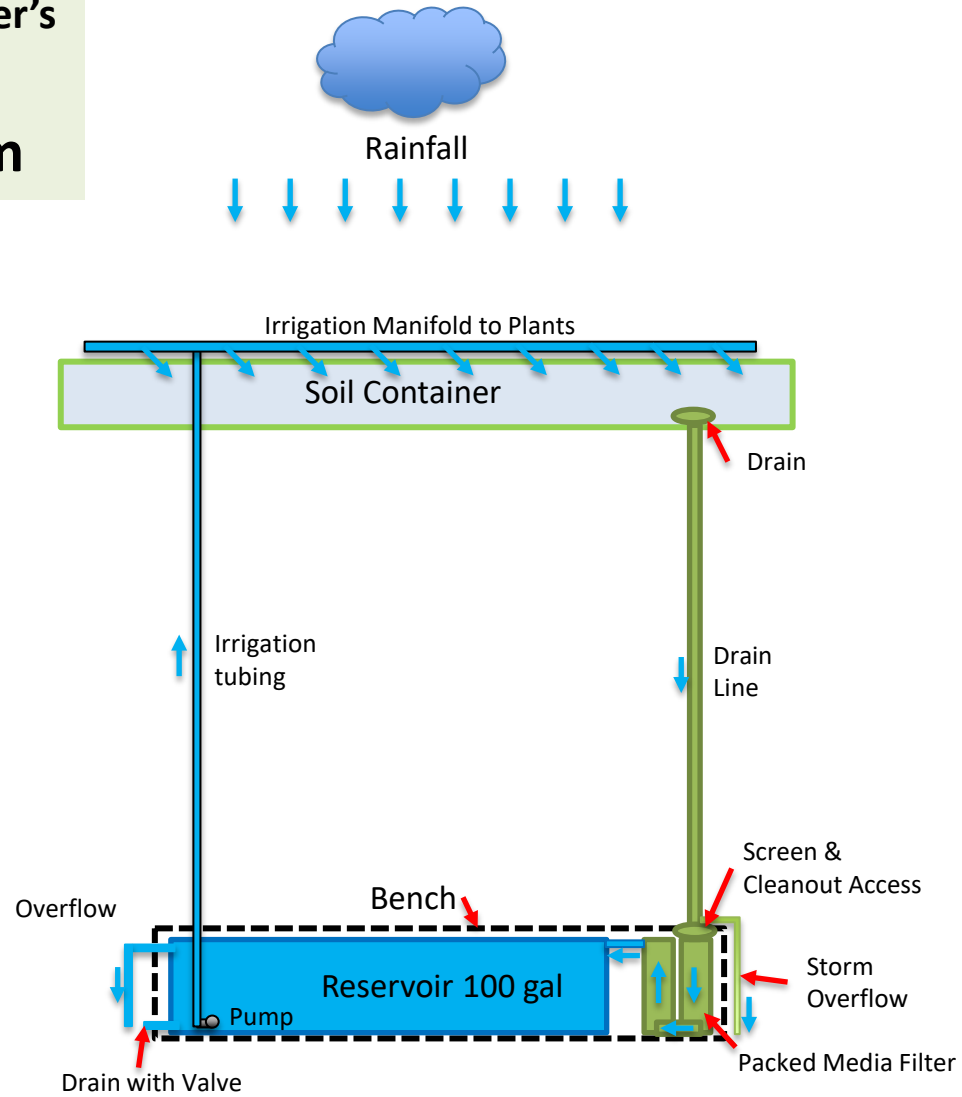
- Boosts Comfort, Equity and Ridership
- Water Reuse and Management
- Resilient Solar Charging
- Novel Revenue Model (ESG Sponsorship)
- Amenity Platform for Community Customization



Cool Green Shelter for Hyattsville Bus Stops

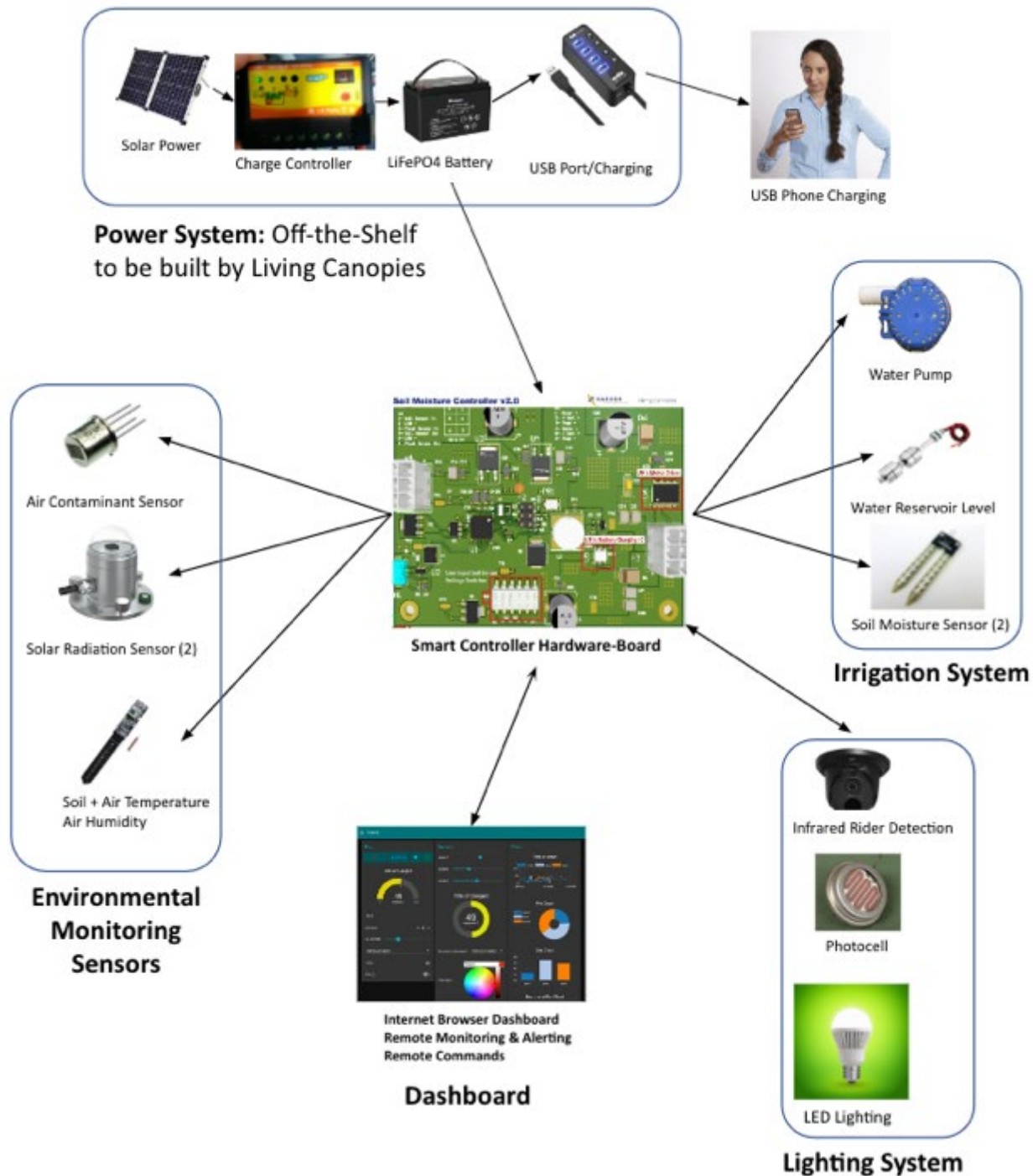


Schematic of the Green Shelter's Water Reuse and Recirculation System



Smart Controller Platform for Cool Green Shelters for Bus Stops

Living Canopies Ltd



Environmental, Social, & Governance Benefits (ESG Sponsorships)

	<u>Per Shelter</u>
Stormwater Stored	800 gallons per year
Solar Electricity Produced	870 kWh per year
Summer Temperature Reduction	5°C Cooler
Additional Ridership	2,000 rides per year
Carbon Emissions Avoided	2.8 MT-CO2 per year

Sustainable Maryland offers **5 points** toward town certification

Options for Maintenance

Options

Service Agreement
Advertising platform
ESG Sponsorship

Key Attributes

\$5000 – 9500 per year (min. 2 yr)
10 year agreement
For Qualified Locations

Living Canopies manages all options



Thank You!

Dr. Dave Tilley, Co-founder & CEO

Nick Cloyd, Co-founder

Dean Hill

Kelly Fleming

John Tilley

301-789-5099

www.livingcanopies.com

dave@livingcanopies.com

