

## SOLAR POWERED ECO BENCH HOW IT WORKS:

This Solar Powered ECO Bench was funded through the National Fish and Wildlife Foundation. The goal of the project is to build climate resilient communities through clean energy, job training, and community engagement. This bench provides a clean energy source for community members. The Solar Powered Charging Bench is meant to educate communities while providing a sustainable power source in case of emergency. The bench was designed and built collaboratively by Groundwork New Orleans and Tulane's Albert and Tina Small Center for Collaborative Design. Site sponsored by Healthy Community Services - 7th Ward Green Block.

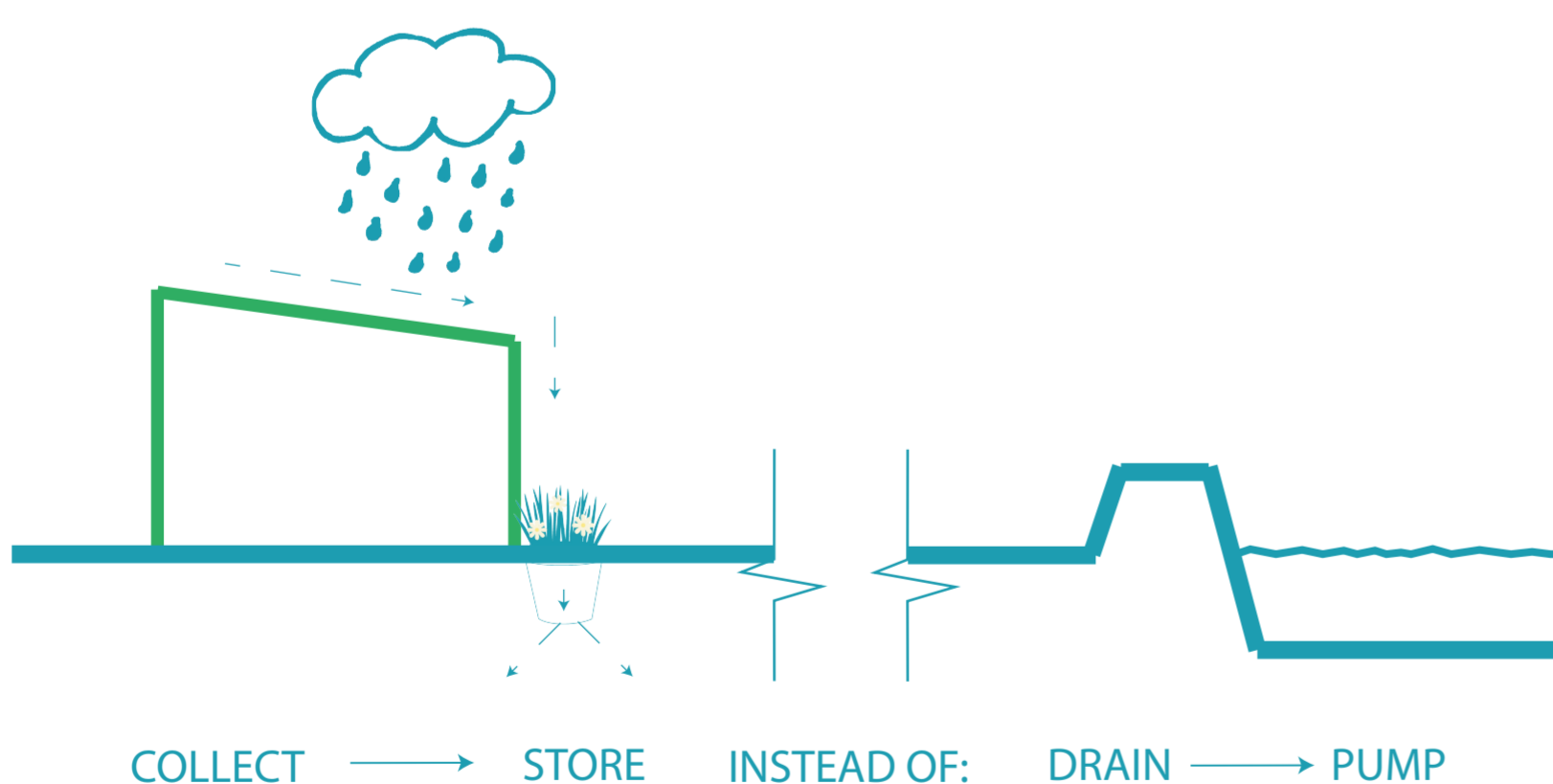
### 1 SOLAR ENERGY



Solar panels convert sunlight into DC electricity. The current is sent from the panel to an inverter and converted into usable AC energy, then transferred to batteries to allow you to charge your phone here at any time of day!



### 2 WATER RETENTION



The sloped roof directs stormwater towards a flow-through planter which slows the water and allows it to return to the ground instead of going into storm drains where it has to be pumped out of the city. The stormwater is metered to collect data on the amount captured, stored, and re-introduced into the system.



### 3 WEATHER STATION



Live weather data collection is used to analyze heat, rain, humidity, and barometric pressure.

