

LIGHTSTAR

Public Health & Safety Subcommittee Meeting

July 8, 2024



LIGHTSTAR Team

**Local Solar for the land,
and the community.**



Community engagement
DBB, DHB, DRB, WBE, MBE



Engineering
DBB



ELEVATE
Equity through
climate action

Energy efficiency benefits

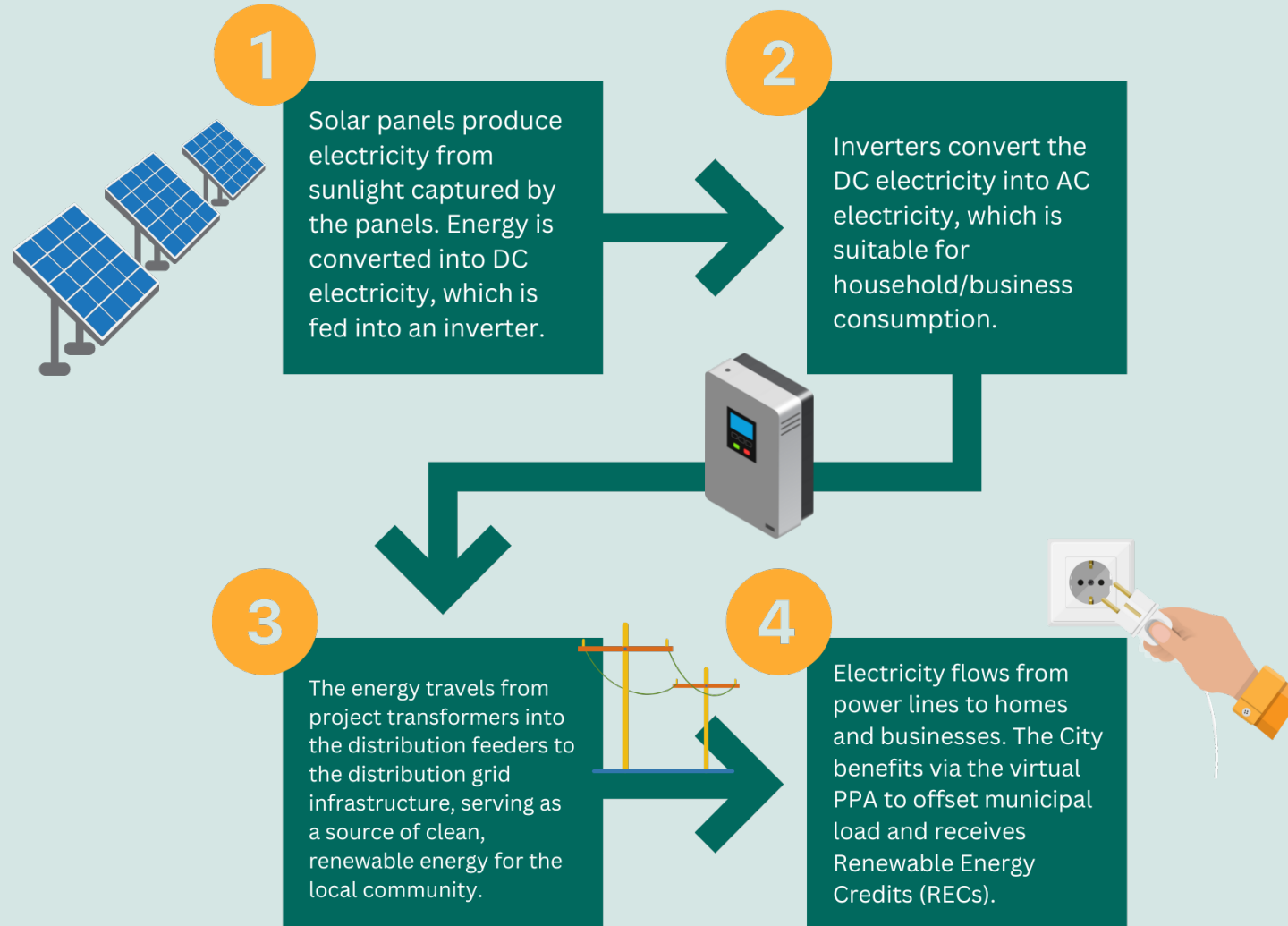


Institutional & research
partner



Institutional & research
partner

Interconnection & Energy on the Grid



Construction Timeline



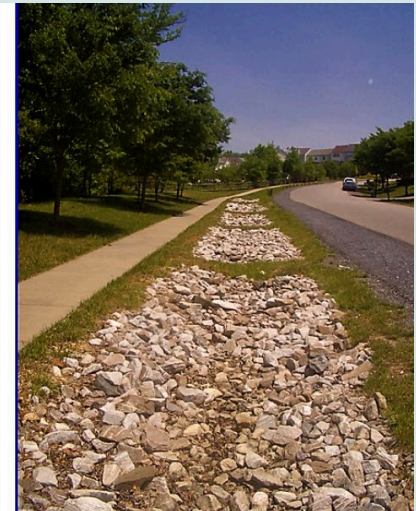
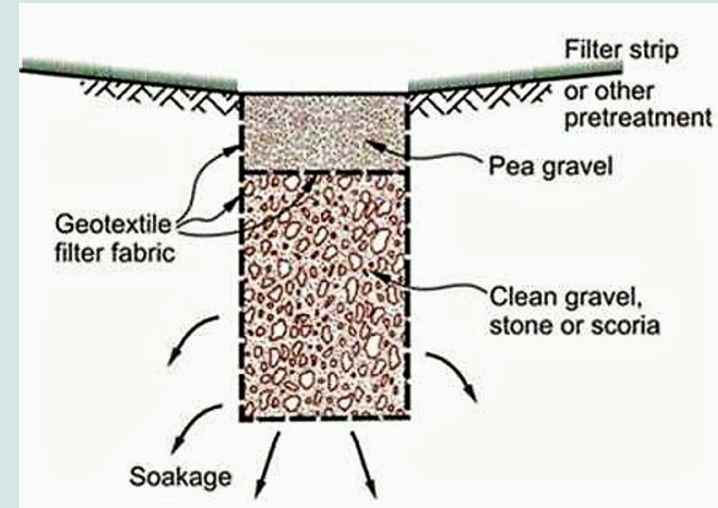
Overall Timeline: 18 month goal; Q4 2025

Stormwater – what does it look like?

During Construction



Post-Construction



Most of the stormwater controls are done through stabilizing the existing area with grass to help with drainage and speed of run off.

Neighborhood Agreement

Options, designs, and additional requests will be reviewed and discussed with the neighborhoods during the community engagement process.

A mechanism for additional funds has been built-in to the contract, meaning if the neighborhoods request items that are not included in these budgets, the pricing will be adjusted in the PPA price.

State Fair:
\$750,000

Gratiot Findlay:
\$400,000



Fencing



Landscaping



Vegetation for screening
(such as trees and shrubs)



Basic lighting (if needed) at
the entrance



What does agrivoltaics look like?

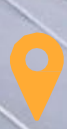


Jack's Solar Garden
with Sprout City Farm Workers



Iowa State University
Agrivoltaic Array: Broccoli crop





Iowa State University

Agrivoltaic Array: Strawberry crop



 **Rendering: Lightstar Plains Road**
Agrivoltaic Array: New York



 **Rendering: Lightstar Plains Road**
Agrivoltaic Array: New York



LIGHTSTAR

Advancing local solar
for the benefit of all

Thank you!



LIGHTSTAR Agrivoltaics

HOW WILL IT WORK?

Evaluate soil conditions; identify if soil can support direct seeding or plan for raised beds between the rows

Partner with local farmers and create farm management plans

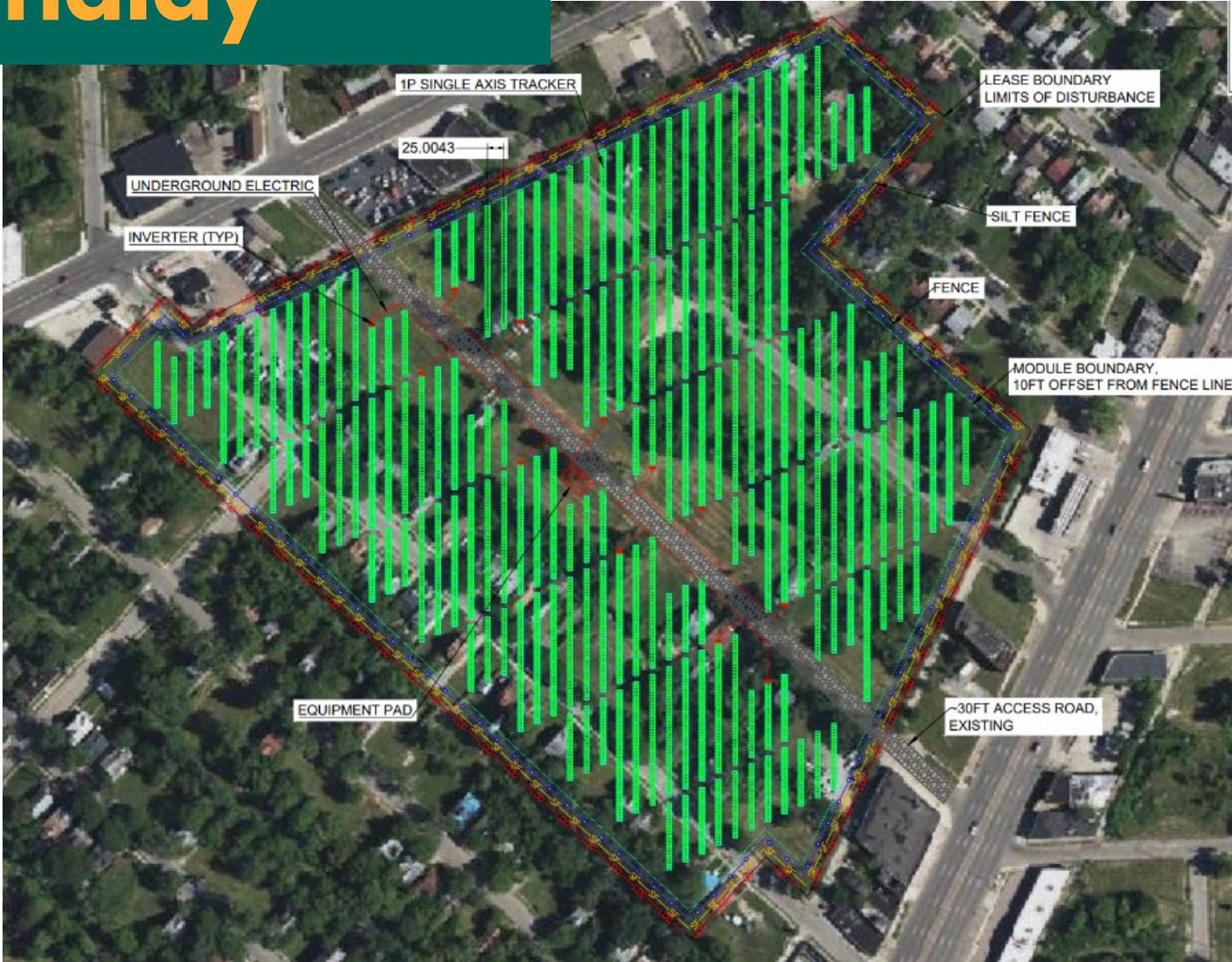
Provide farmer stipends; coordinate with research partners; support local distribution to community members

HARVESTING THE SUN AND...

Lettuce, kale, swiss chard, radishes, beets, peas, carrots, lemon balm, mint, bok choy, cilantro, parsley, arugula, tomatoes, strawberries, blueberries, raspberries, melon, onions, garlic



Gratiot-Findlay



State Fair

