

The background of the slide is a green-tinted aerial photograph of a large-scale agricultural facility. In the foreground, there are several large, rectangular solar panel arrays. Beyond them, there are fields, some with crops, and a small building. In the distance, there are rolling hills under a bright sky with sun rays breaking through the clouds. The AppHarvest logo, consisting of a stylized 'A' icon followed by the text 'AppHarvest', is centered in the upper half of the image in white.

AppHarvest

AppHarvest Introduction
July 2021

Building a
resilient food system
for America
in Appalachia



A World Enduring an Agricultural Crisis

The world must start rapidly building controlled environment agriculture (CEA) facilities to secure future food production

The UN has found the world will need at least 50% more food by 2050, yet 70% of all freshwater is already dedicated to agriculture^(a)

Unless we change, we will need two planet Earths to feed the population

COVID-19 exposed the **unstable nature of America's food system**, as shortages mounted across the country (and world) highlighting our reliance on uncertain imports

69% of all fresh vine crops sold in the U.S. in 2018 were **imported**, according to the U.S. Department of Agriculture

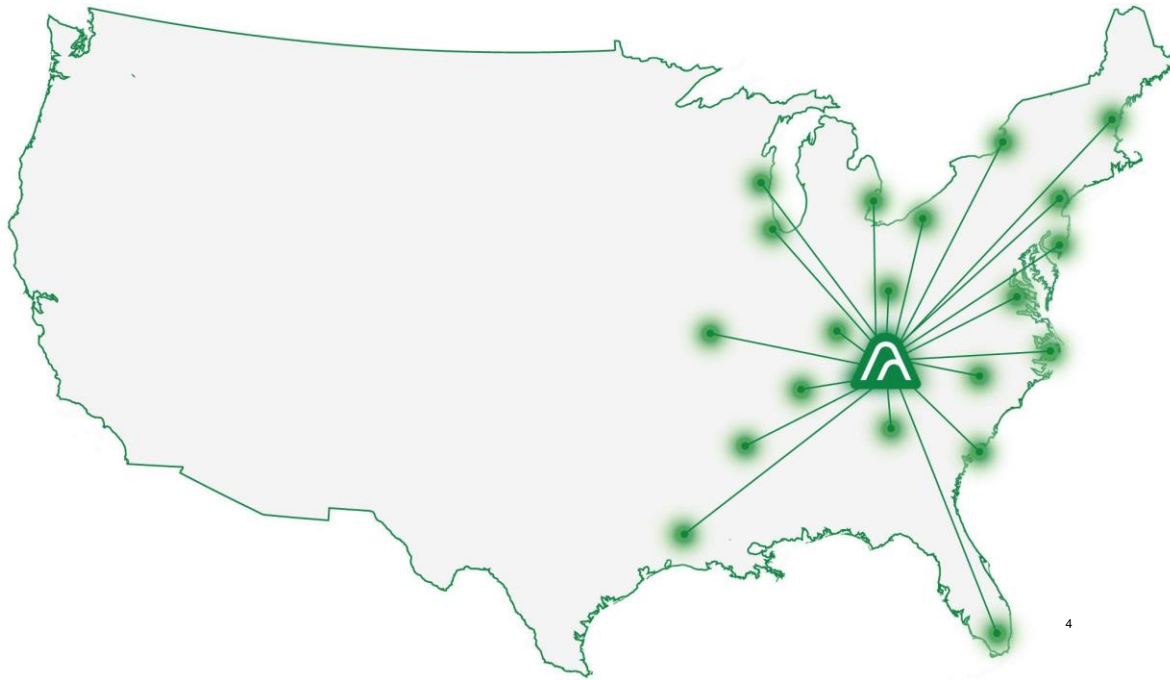
Western U.S. may be entering its most severe drought in modern history

BY JEFF BERARDELLI
APRIL 12, 2021 / 6:46 AM / CBS NEWS



NEW LOCAL SUPPLY CHAIN

This is the future of farming: ecologically responsible, locally supported, and utterly predictable



APPHARVEST SUPPLY CHAIN

AppHarvest is upending the outmoded paradigm of farming.

Our technology will enable hyper-efficient facilities that can grow produce where it is consumed.

Through innovation, we can secure our food supply and **democratize access to fresh, affordable nutrition.**



Controlled Environment Agriculture: Solving for Agriculture's Biggest Environmental & Social Issues

Winning Approach to Labor

- Living Wage
- Fully paid health, dental, vision benefits
- 401K
- Stock options

Highly Efficient

- 90% less water than conventional agriculture^(c)
- 100% recycled rainwater
- 2.76 million sq ft of roof



Free of Pesticides

- Integrated pest management
- Employee and customer health are the priority

No Agriculture Runoff

- Closed loop water system
- Keeps nutrients in the plants, not local waterways



Less Food Waste

- Traditional agriculture pre-retail spoilage rate is 34%^(d)
- Controlled environment agriculture food spoilage rate less than 10%^(d)

Climate Resilient

- Adaptation to climate risks
- Avoid soil depletion
- Grow 365 days per year



Certified B
Corp –
Helps build a
more resilient
business

AppHarvest Impact by the Numbers

Domestic Impact

~70%

of U.S. population within a day's drive

80%

Less diesel expected to be used in transportation^(a)

90%

Less water usage than conventional agriculture^(b)

10

Acre rainwater retention pond at Morehead facility

~30x

Higher yields than open-field agriculture

365

Days of growing indoor eliminates weather and seasonal constraints

0

Zero agricultural runoff due to unique closed-loop system

1,000s

Of projected jobs in high unemployment areas

0

Soil usage, keeping carbon sequestered

40%

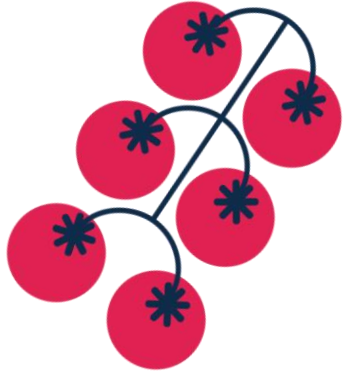
Increase in lighting efficiency due to use of LEDs

Investing \$1 billion in Appalachia through development and high school container farm education program.

(a) Figures are based on AppHarvest's expected market distribution and current market distribution estimates using Numarán, Mexico

(b) International Journal of Environmental Research and Public Health

High Poverty Levels – Medicaid Dependence



Cabinet for Health and Family Services

Department for Medicaid Services

Monthly Membership Counts by County



County

County

Coverage Month	
7/1/2021	7/31/2021

Unduplicated Member Count (as of Run Date)
1,557,091

Plan Type	Unduplicated Member Count
Aetna	245,653
Anthem	162,688
FFS	140,898
Humana	167,911
Passport By Molina	326,832
United	37,030
WellCare	476,077
Sum:	1,557,089



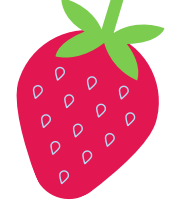
Medicaid Income Eligibility in Kentucky

Annual Household Income Limits (before taxes)

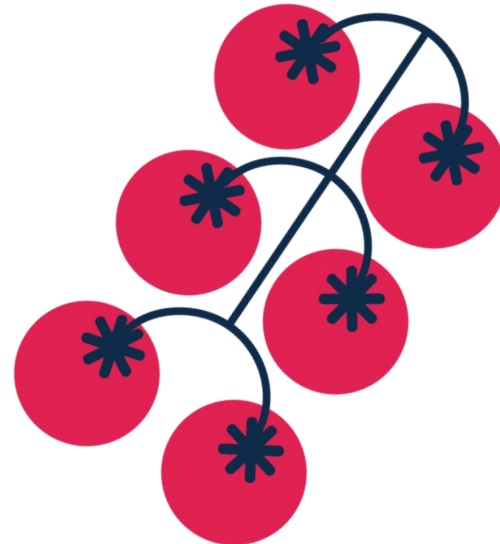
Household Size*	Maximum Income Level (Per Year)
1	\$17,131
2	\$23,169
3	\$29,207



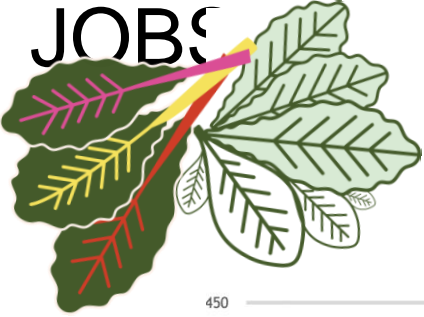
AppHarvest's Winning Approach to Labor



- Living Wage
 - Entry-level Crop Care/Pack House Specialists earn approximately \$27,040
 - Includes fully paid health, dental, vision benefits (individual or family)
- 401K – vests immediately
- Stock options



LOCAL IMPACT: JOBS, JOBS, JOBS



As of June 1, 2021
AppHarvest Has 505 Employees

Estimated Annual Payroll
\$27 Million

450

300

150

0

Four Joined in
2018

Eight Joined in
2019

157 Joined in
2020

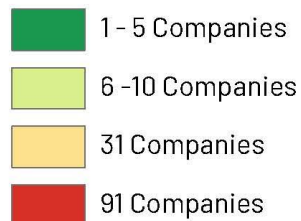
336 Joined in
2021
(so far...)

Expanded Economic Impact

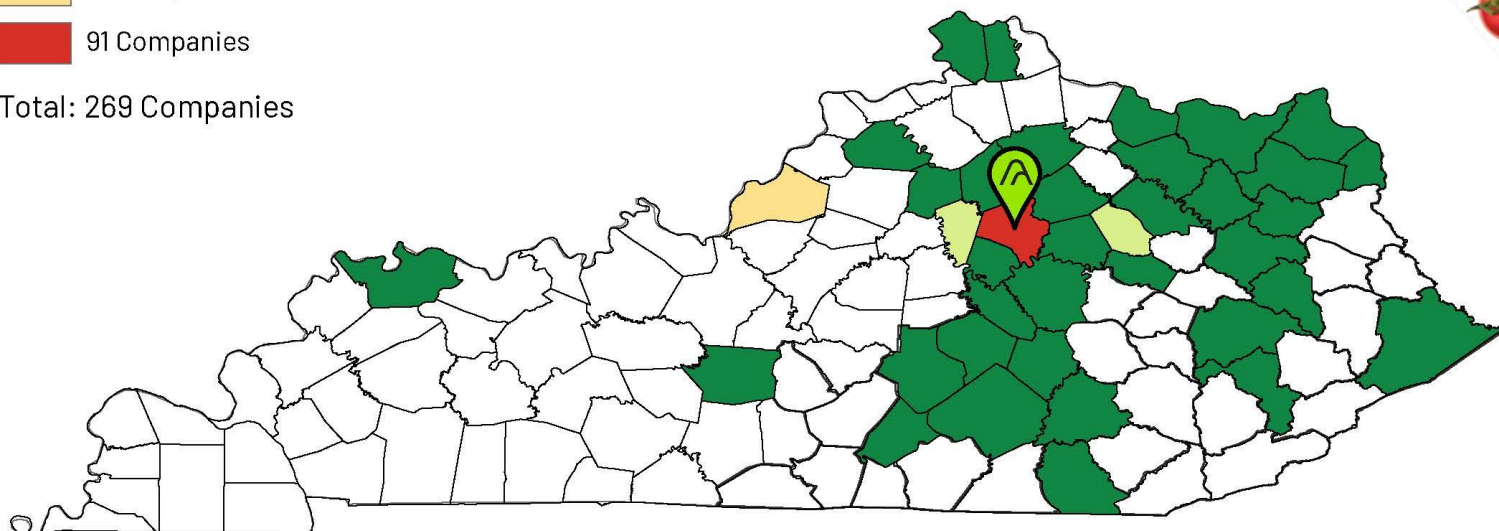
AppHarvest Economic Development in Kentucky

Our Growing Supply Chain

Concentration of Businesses



Total: 269 Companies



 Lexington, KY



Data as of 6/15/21, does not include subcontractors

AgTech Ecosystem – Kentucky Can Lead

- Kentucky can be the leader in ensuring America's food supply chain
- AppHarvest's focus = Eastern Kentucky & Appalachia
- Supporting industry – not just about AppHarvest
 - Diffused glass
 - Steel
 - LED lights
 - Technology, robotics
 - Associated research & education
 - Agritourism
- Research Facility
- Connection to the Netherlands
- Rural-Urban Connection



AgTech could
be a significant
part of
rebuilding
Eastern
Kentucky's
economy

Rural-Urban Connection

- Economic & food insecurity look the same in different geographies
 - Louisville is the largest food desert in the state
 - Median household incomes for low-income communities Louisville and Eastern Kentucky are nearly the same
- Health outcomes
 - Kentucky - 46th overall in 2020
 - Chronic disease ravishes predominantly low-income communities where grocery stores are scarce
 - Fast food, carry out, & corner/convenience stores are often the only viable option - they typically stock processed foods and rarely offer fresh produce
- KSU Partnership
 - Commitment to lead with Kentucky's only HBCU
 - Ensure that predominantly minority neighborhoods are included in the AgTech space as it continues to grow
- Carter G. Woodson Academy Container Farm Launch
 - First container farm in an urban setting
 - Ensuring the next generation of both rural and urban communities is invested in controlled-environment agriculture



Funding Our Future

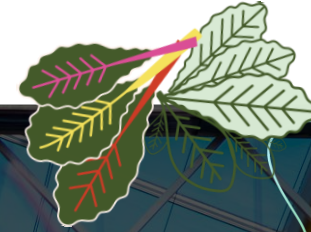
American Rescue Plan Act (ARPA)

- Six major eligible areas for using these funds :

- Support public health response
- **Address the negative economic impacts of the public health emergency**
- **Target low-income communities**
- Perform government services based on lost public sector revenue
- Provide premium pay for essential workers
- **Invest in water, sewer, and broadband infrastruc**



AppHarvest
believes
AgTech could
be Kentucky's
new economy



2021 COMPANY HIGHLIGHTS

What went right that makes us bullish on CEA

Morehead Operations: Proven Business Model

- Successfully stood-up and ran entire 60-acre facility in first year of operations
- Staffed Morehead facility through planting, growing, and harvesting with 100% local labor
- First CEA facility in the country to rely solely on local labor
- Produced higher than anticipated yield in our first season

New Farm Development: Accelerated Timeline

- Development of new facilities is ahead of schedule and accelerated versus our original long-term plan
- Higher aggregate acreage planned for 12 facilities than in original LRP
- Richmond and Berea projects are in-line with budget

Non-Dilutive Capital: High Level of Financing Interest

- Faster access to non-dilutive capital
- \$150mm commitment from Equilibrium
 - Expect to close on first tranche (\$91mm) by the Q2 earnings call and remainder shortly after



QUESTIONS?

THANK YOU!

