



# For Greenhouses/Controlled Environment Agriculture (CEA)



## Make your greenhouse operation more energy efficient with equipment upgrades that pay for themselves

Energy-related agricultural best practice recommendations are now available in a variety of formats, including booklets, webinars, podcasts, and videos. These cost-saving resources are available for download at [nyserdera.ny.gov/ag-best-practices](https://nyserdera.ny.gov/ag-best-practices) and provide farms with:

- Recommendations for energy-efficient technologies
- Alternate modes of operation
- Conservation practices to optimize energy use
- Easy access to funding resources

### Energy-Saving Greenhouse/CEA Technologies

The following is a sampling of energy-efficient upgrades that reduce energy use and may qualify for incentives and rebates.

Energy Use	Energy Saving Equipment	Typical Installation Cost	Typical Payback (Years)
Lighting	LED Grow Lights	\$\$\$\$	7-10
Lighting	Controls	\$ - \$\$	1-3
Heating & Cooling	Energy Curtain	\$\$ - \$\$\$	2-5
Heating & Cooling	High Efficiency Space Heating	\$ - \$\$	2-5
Heating & Cooling	Infrared Film	\$	1-2

*Note: Actual project cost and savings may differ due to site specific conditions such as energy cost, existing equipment, crop light requirements, and greenhouse temperature setpoints.*

Typical installation cost values reflect a per-square foot (SF) basis. \$ = Less than \$3/SF    \$\$ = \$3-\$6/SF    \$\$\$ = \$6-\$9/SF    \$\$\$\$ = >\$9/SF



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## Learn how to access energy-efficient technologies and available incentives.

visit: [nyserdera.ny.gov/ag-best-practices](https://nyserdera.ny.gov/ag-best-practices)  
 call: 1-800-732-1399  
 email: [AgBestPractices@nyserdera.ny.gov](mailto:AgBestPractices@nyserdera.ny.gov)



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