

## When it comes to EV chargers the wiring is the hard part.

Street and parking lot lights used to need a lot of power - then after conversion to LED bulbs, lots of underused wiring was left behind. The poles can also provide support for the equipment reducing another one of the costs of an installation.

In Los Angeles, California, the Bureau of Street Lighting has installed more than 430 chargers on streetlights. This can be primarily attributed to the fact that Los Angeles' streetlights are fed with a 240 V connection, something even nearby Santa Monica, California, does not have.

Light poles can be used to bring EVSE to lower income neighborhoods.

https://thecityfix.com/blog/how-utility-poles-and-streetlights-can-improve-equitable-access-to-ev-charging-in-u-scities/

Articles of cities developing programs about cities taking advantage of the opportunity.

Kansas City

https://www.thedetroitbureau.com/2021/08/kansas-city-installing-ev-chargers-in-streetlights/

Charlotte N.C.

https://aashtojournal.org/2022/03/11/n-c-testing-light-pole-ev-charging-technology/

London - with unique payment system https://www.electronicspecifier.com/products/renewables/converting-street-lights-into-ev-charging-points

Installed and Planned PMC Deployments in U.S. Cities in 2021

Portland, OR
2 chargers installed in 2020

Lancaster, CA
5 chargers installed in 2017

Loe Angeles, CA
- 431 streetlight chargers
- 44 utility pole chargers

Well or Charlette, MC
Planning 6 charger pilot

Kansas City, MO
30 chargers to be installed early 2022

Source: City of Lancaster 2017; authors' stakeholder interviews (2020).

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The University of Illinois has three light pole mounted EV chargers in the Research Park on the south campus. Pictured: at Yahoo,1908 S First St. Champaign.

