

Luminaire-level Lighting Controls (LLC) Ally Incentive Pilot

Ameren Illinois is offering a limited-time incentive directly to program allies for luminaire-level lighting controls (LLC). This is in addition to the standard incentive for networked lighting controls paid to the end customer (see [Standard Lighting Application](#)).

LLC are a type of networked lighting control (NLC) system where sensors and controllers are integrated into each individual luminaire. LLCs are controlled and monitored via a computer or mobile app interface, enabling features such as occupancy sensing, daylight harvesting, high end trim, task tuning, scheduling, flexible zoning and energy tracking. LLC products can save up to 60% of lighting energy for customers.¹

LLC systems can also offer customized non-energy benefits:

- Simplified commissioning and remote fixture-level diagnostics to lower maintenance costs
- Integration with building management and other systems
- Space use and traffic monitoring to inform product placement or space utilization
- Real-time asset tracking to quickly locate critical equipment
- Circadian color tuning to increase health and productivity²

Incentive

- Offering is limited and dependent on funds available
- Applications will be competitively evaluated to determine selection in the pilot
- Applicants may request incentive rates **up to \$0.50/watt controlled**; rates will be evaluated and negotiated as part of the selection process
- Applications for this pilot are not eligible for program bonuses, including the early completion bonus

Project Evaluation Criteria

- Completion date (projects completing prior to **December 31, 2021** will receive higher ranking)
- Requested incentive vs. energy savings (lower incentive \$/kWh will receive higher ranking)
- Extent to which project showcases features unique to LLC, or performs above traditional controls solutions
- Completeness and quality of application and supporting documents
- Project scope sufficient to realize significant savings
- Application includes statement of financial need, improves safety, increases equity, and/or helps locally owned businesses

Effective Dates

Applications will be accepted, and incentives awarded, in two waves:

Wave 1

- **November 3, 2021:** Application submittal deadline
- **November 10, 2021:** Award notices sent (complete and thorough submissions may receive an early award letter)
- **November 17, 2021:** Deadline for corporate commitment letter submission

Wave 2

- **November 30, 2021:** Application submittal deadline
- **December 8, 2021:** Award notices sent (complete and thorough submissions may receive an early award letter)
- **December 22, 2021:** Deadline for corporate commitment letter submission

¹ "Energy Savings from Networked Lighting Control (NLC) Systems with and without LLC," Northwest Energy Efficiency Alliance, DesignLights Consortium, September 2020

² www.lrc.rpi.edu/programs/lightHealth/publications.asp

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Other Requirements

- Customer commitment that project implementation is contingent on receiving incentive funds
- Customer and ally agree to the use of this project as a marketing case study for Ameren Illinois Energy Efficiency programs (see <https://amerenillinoisavings.com/pdfs/case-study-nlc/> for an example)
- Must grant access to post-installation lighting energy usage data for a period of two years after project completion
- Preapproval is required before any commitment to project installation or purchase is made (including generating purchase orders). Do not purchase your equipment until receiving a preapproval letter.
- Installing new equipment which meets eligibility guidelines as specified in this application
- All final documentation must be received by the program within 30 days of project completion.
- Incentive applications are capped at project cost, which includes the costs of material and external labor (internal labor is not considered).
- Measures must be (1) self-installed by an employee of the Ameren Illinois customer listed on this application, or (2) installed by an Illinois Commerce Commission-approved Certified Installer to qualify for an incentive. Certification of the self-installation or evidence of installation by a Certified Installer will be required. A complete list of Certified Installers can be found at <https://www.icc.illinois.gov/emdb/ucdb/search>

Participation Instructions

Step 1: Preapproval is required for all applications. Submit this Application and all required documentation by the deadline **along with the [Standard Lighting application](#)**. You will receive a confirmation email within two business days of submitting an application; please contact us if you do not receive a confirmation email. You will receive an e-mail confirming receipt of your application. Upon completion of technical review, a preapproval notice will be issued or a program staff member will contact you to discuss other options if your project is not selected for the pilot offering. Do not begin work, purchase equipment, issue purchase orders or make other financial commitments, until after receiving a preapproval letter.

Step 2: Once the signed preapproval letter is returned, purchase and install the proposed equipment. Complete all other steps by the deadlines outlined above.

(NOTE: if you are considering changes to the scope of work after receiving preapproval, it is imperative that you contact a program representative to discuss how these changes will impact your savings/incentive.)

Step 3: As soon as your project is completed, submit a completed Incentive Payment Request Form and all supporting documentation requested. If the final application paperwork is approved, your incentive will be paid within 60 days of approval.

Step 4: Program staff may conduct a post installation verification inspection upon receiving final application paperwork.

Please contact program representatives with any questions via email at IllinoisBusinessEE@Ameren.com or call toll free 1.866.800.0747

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Incentive Calculation

Project Summary

Briefly describe the project generally, existing and proposed equipment, which control features will be enabled and how the system will increase energy efficiency. Include any additional information that may help us understand why the project should be selected for the pilot. This information may be provided on a separate page.

LLLC Pilot Incentive					
Eligibility Criteria: <ul style="list-style-type: none"> • New installations only; not to replace existing networked lighting controls • Interior spaces only • Total Watts Controlled is the wattage of LLLC LED fixtures; downstream fixtures and non-LLLC networked lighting are not eligible • System must enable three or more control strategies • System must be listed on the DLC Networked Lighting Controls Qualified Products List: https://qpl.designlights.org/networked-lighting-controls 					
Description	NLC Control Strategies (Minimum 3)	Total Watts Controlled (A)	Existing (Baseline) Controls	Proposed Ally Incentive (B)	Total Ally Incentive (A) X (B)
Luminaire-level Lighting Controls (Interior Only)	<input type="checkbox"/> Occupancy/Vacancy <input type="checkbox"/> Daylighting <input type="checkbox"/> High-end trim <input type="checkbox"/> Dimming <input type="checkbox"/> Scheduling		Replacing Manual On/Off or No Controls	\$ _____ per watts controlled	\$
			Replacing Occupancy-only Controls		
			Replacing Vacancy-only Controls		
			Replacing Daylight-only Controls		
			Replacing Multiple or Other Controls		

Customer Incentive Calculation	Total Watts Controlled	Estimated Customer Incentive
In addition to the pilot incentive payable to the ally, above, the customer may be eligible for the standard Networked Lighting Controls (NLC) incentive. A separate Standard Lighting Application must be submitted and approved on behalf of the customer to fully determine their incentive.		\$