



A BRIGHTER BREW

New LED lighting helps Mishka's Café save energy

Sinisa Novakovic, owner of Mishka's café in downtown Davis, had two goals for the recent lighting upgrade in his café: create a cozy, inviting atmosphere for customers and save energy. In the main seating area alone he was able to cut his lighting energy use 85% by upgrading to LED lighting.

Throughout the rest of the café, energy consumption for lighting has been cut in half, reducing Mishka's annual energy use by over 10,000kWh and saving Novakovic nearly \$2,000 every year in energy costs. The lighting upgrade will have paid for itself after just eight months, and because LEDs last up to fifty times longer than older light sources, the change is saving Novakovic in other ways, too.

"It's not just the cost of buying the light bulb, but needing to drive to the store, spending time to install it, the inconvenience to customers... Time and maintenance savings are vastly undervalued," says Novakoic. LED lamps can last more than 50,000 hours, meaning Novakovic can spend less time changing lamps and more time focusing on his customers. It also means less waste sent to the landfill every year.

The lights over the seating area are dimmed to 70 percent of maximum power, saving additional energy and extending their lifetimes. The upgrade wasn't all about savings, though: LEDs produce significantly less heat than most traditional light sources, a selling point for Novakovic since he is wary of how lights can quickly dry out baked goods and increase the load on his cooling systems.

Novakovic says sales have remained consistent since the upgrade, and he feels good about making the switch. "I feel it's important to do my part," he says, adding that he hopes his efforts will help others adopt more energy-efficient practices, too.

53% WATTAGE REDUCTION

BEFORE 3,357 W	AFTER 1,582 W
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SEATING AREA

BEFORE 22 incandescent A19 860 W	AFTER 14 LED A19 126 W
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SERVICE COUNTER

BEFORE 18 halogen MR16 1,075 W	AFTER 18 LED MR16 130 W
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PASTRY CASE

BEFORE 8 fluorescent T8 144 W	AFTER 8 LED T8 48 W
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ANNUAL ENERGY SAVINGS

10,224 kWh