



what's the big idea?

commercial  
residential  
industrial

## Lighting Retrofit Will Reduce Electricity Costs Over \$26,000 a Year for Key Financial Center

### Situation

At 174 feet and 13 floors, the Key Financial Center in Boise is one of the ten largest office buildings in Idaho. Completed in 1962, it is home to its namesake, Key Bank, as well as numerous other tenants.

### Challenge

The building had over 1,600 outdated fixtures that were inefficient—both from a lighting and a heat generation standpoint. The owners wanted to capitalize on Idaho Power's Easy Upgrade incentive program to help them defray the cost of upgrading to more efficient fixtures that would also produce less heat.

### Solution

Key Financial Center management group chose Enterprise Electric based on our proposal, as well as our extensive lighting retrofit experience and quality reputation.

Before starting work, Enterprise Electric secured Idaho Power's pre-approval of our retrofit plan to ensure Key Financial Center would receive the full amount of incentives to which it was entitled.

Once we received this approval, a three-electrician crew from Enterprise Electric worked nightly from 6:00 pm to 2:30 am in order not to disrupt tenants during the workday. This also enabled the crew to be as efficient as possible. Thus, we were able to complete the project in just five weeks.

In total, 1,469 fluorescent fixtures of varying types were retrofitted with high-efficiency equipment such as T8 lamps and electronic ballast.

Further, 106 incandescent fixtures of varying types were replaced, 44 highly-efficient LED emergency exit signs replaced older models and 56 fluorescent fixtures were completely removed.

To further maximize energy efficiency, Enterprise Electric also installed occupancy sensors in a number of areas to turn off lights in rooms that were unoccupied.

The quality of Enterprise Electric's workmanship was demonstrated by the fact that the project passed final Idaho Power inspection the first time...**with no issues.**

With the new lighting fixtures, **annual savings will total \$23,761**, with an **additional \$2,276 saved on HVAC expenses** due to reduced cooling requirements thanks to the lower heat generated by the new fixtures. Based on a net project costs of \$24,367 (after Idaho Power rebates), **the project will pay for itself in about 11 months.**

To learn more, please contact Bill Hines at 208-344-0441 or [bill@enterpriseelectricboise.com](mailto:bill@enterpriseelectricboise.com).