



# **UTILITIES DYNAMICS**

## **CASE STUDY SERIES**

# CASE # 0002



**FIFTH THIRD BANK**

**UTILITIES DYNAMICS, INC.**

**Lighting & HVAC  
Upgrade  
Case Study**

# Client and General Overview

One of the defining aspects of Utilities Dynamics Inc. is our ability to scale to any size, large or small. When a potential client seems wary of our ability to scale to their proportions, we point to our partnership with Fifth Third Bank to show them we can.

In April of 2008, Fifth Third requested our assistance in the development and implementation of a lighting and HVAC controls upgrade.

## National Multi-Site Roll Out Capabilities

They needed a solution that could solve a problem spread across 11 states in 1,145 locations including corporate headquarters, high-rise buildings, attached parking structures and free-standing local bank branches. Stretching from Florida to Michigan and as far west as Missouri—Fifth Third is the definition of a national multi-site client solution that we are proud of.

## A Project by the Numbers

At the beginning of the project, we estimated the total cost at \$9.5 million, before utility incentives. By the end, the **actual project cost** tallied up to **\$9.3 million**, before utility incentives.

Fifth Third was then able to redeem over **\$300,000** in utility rebates from their various utility providers.

Across all 1,145 locations, we estimated an annual savings at \$4.35 million. Fifth Third's **first year's savings** came in at **\$4.9 million**, eclipsing our initial forecast.

annual estimated savings

**\$4.35 MILLION**

first year savings

**\$4.9 MILLION**

total savings to date in excess of

**\$36 MILLION**



# Fast Forward



Moving the meter forward for to-date measurements, our work with Fifth-Third bank has reached incredible numbers.

In terms of savings, as of August 1st, 2015, Fifth-Third has saved in excess of \$36 million dollars since we completed our projects. To date, their company has saved over 268 million kilowatt-hours. This is the equivalent of:

If you're having trouble visualizing, that is the equivalent of:



**Removing 38,906 vehicles from the road**



**Recycling 9,472 garbage trucks of waste**



**Removing 20,794,909 gallons of gas from being consumed and converted to CO<sub>2</sub> emissions**



**4,738,573 tree seedlings grown for ten years**



# Money is Green, But So is Fifth Third

Despite all the financial benefits Fifth Third has enjoyed from the improvement of their lighting and HVAC control systems, the benefits gained by reducing their carbon footprint cannot be understated.

The implementation of our custom-fit measures for Fifth Third has resulted in a net decrease of 33.7 million kWh. This reduced their CO2 emissions by 63,785 metric tons per year.

If you're having trouble visualizing, that is the equivalent of:

- ⚡ Removing 347 railroad cars of coal from the air
- ⚡ Saving 148,336 barrels of oil from being consumed
- ⚡ Saving 7,150,651 gallons of gasoline from being burned
- ⚡ Or off-setting the electrical load of 7,953 homes

## Scope of Work

Fifth Third's offices, teller, and lobby areas were predominately illuminated by 2 foot by 4 foot T12 or T8 (32W) fluorescent lamp fixtures and were retrofitted/re-lamped with T8 (25W) lamps with electronic ballasts.



Private offices, meeting rooms, and closets received wall switch mounted occupancy sensors.



Exterior mercury vapor fixtures were retrofitted with compact fluorescent lamps of new fixtures were present.

Existing incandescent drive-thru lane signs were replaced with new LED OPEN/CLOSED signed while all existing ATM lighted drive-thru signs were replaced with non-lighted ATM placards.



All existing HVAC thermostat controls were replaced with new Honeywell programmable thermostats.

## What's Next For You?

Utilities Dynamics has the ability to find viable, sustainable solutions for any business. No matter if you're big, small, retail, industrial supply, or anything in between, your company's success becomes our only priority when you become a client.

Interested in talking about what our services can be to streamline your company's efficiency? Take the next step, and reach out to us. Offering a zero-commitment, risk-free assessment of your business and its energy profile is the first step to solving your problem.

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