**Why We Chose ENERGY STAR:**

- Elaine. E Thompson Elementary School achieved Designed to Earn the ENERGY STAR certification by meeting EPA criteria for reducing energy and CO₂ emissions.
- It was important that Elaine. E Thompson Elementary School achieved Designed to Earn the ENERGY STAR because it signals to the market that the project is intended to perform in the top 25% of the nation’s most energy efficient buildings.
- Stantec Architecture is also helping the environment by delivering an energy efficient design to our client because ENERGY STAR buildings have a proven track record and yield an average of 30 percent annual energy savings and CO₂ reductions.
- Elaine. E Thompson Elementary School is recognized for achieving Designed to Earn the ENERGY STAR for potential future financial benefits from reduced energy costs and CO₂ emissions over the life of the building.
- Stantec Architecture found Target Finder/Portfolio Manager tool was helpful in evaluating how various design strategies will affect the energy estimates for the project.

**Energy Efficient Design Strategies:**

- The projected annual energy and CO₂ savings of the design is 65.5% as compared to the median building.
- The estimated total annual energy savings for this project is 6,174,788 kBtu/yr with an estimated cost savings of $65,553/yr.
- This project is intended to have a 65.5% reduced carbon footprint because of energy conscious decisions made during the design process and renewable energy.
- Sustainable strategies include solar photovoltaic array that offsets utility costs, increased natural daylighting and views to the outside through additional windows, a high efficiency HVAC system with enhanced air filtration to provide excellent indoor air quality and LED lighting throughout the school.