PROJECT #1
One Legacy Circle
Office Building

Energy Efficiency
Based on the DOE Energy Model, One Legacy Circle is designed to utilize 26% less energy than comparable Dallas Area Class A Office Buildings.

Energy Reduction Strategies
- Machine room-less, gearless elevators
- Oversized cooling towers
- Free-cooling/water-side economizers on self-contained AC units on each floor
- Heat recovery system on roof
- Oversized supply air ductwork on each floor
- Variable Frequency Drives on every piece of major mechanical equipment
- CO₂ sensors on each floor
- Thermostats with a push-button on each floor for after-hours air
- Direct digital control (DDC) energy management system
- SHGC 0.35 low-E glass
- Automated lighting controls
- Parking 95%, structured
- Light colored roof membrane
- Shielded exterior lighting
- Water-efficient landscaping, water-saving tree bubbler fittings, and low-angle, pressure-regulating spray heads

Owner:
Trammell Crow Company
Location:
Plano, TX
Gross Floor Area:
214,119 sf
Energy Use Intensity:
44 kBTU/sf/yr
Percent CO₂ reduction:
52%
ENERGY STAR design rating:
98
Annual Savings Statistics (compared to an average building)
EPA rating of 50:
Energy Savings
41,368,643.6 kBTU
CO₂ Savings
2,585.6 tons CO₂

HKS