Century Center Energy Savings Performance Contract

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Energy Savings Performance Contract

Comprehensive

20% Savings

Low up-front cost

Turnkey Solution

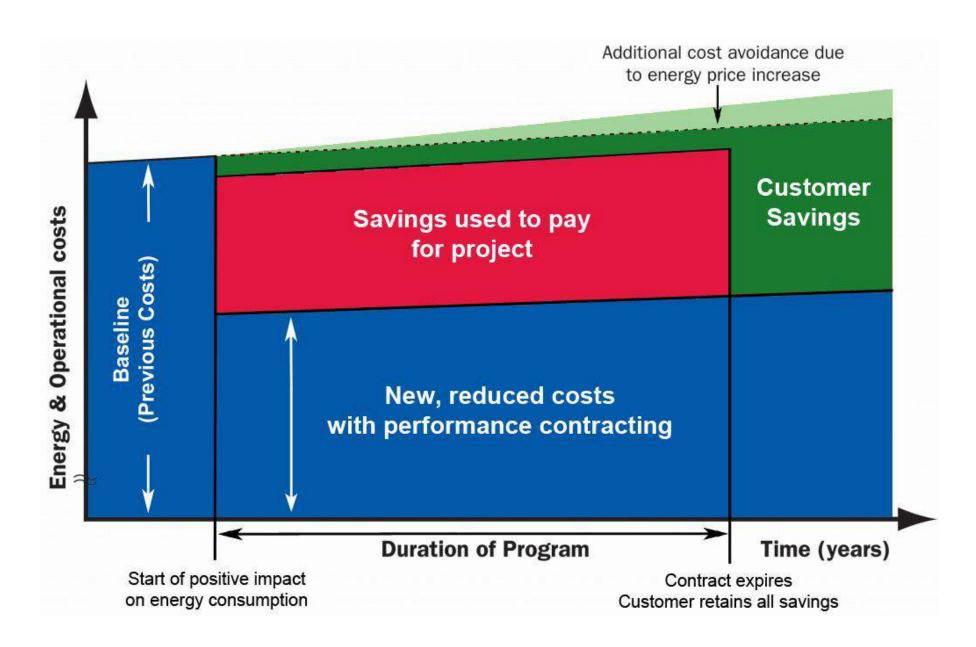


Energy Savings Performance Contract

- Common measures: Lighting, HVAC (including chillers and boilers), motors/pumps, controls, retrocommissioning.
- Renewable energy, energy storage
- Creative problem-solving
- Ideal for inefficient, high-maintenance, or fail-risk equipment
- Newer buildings can still have savings opportunities.





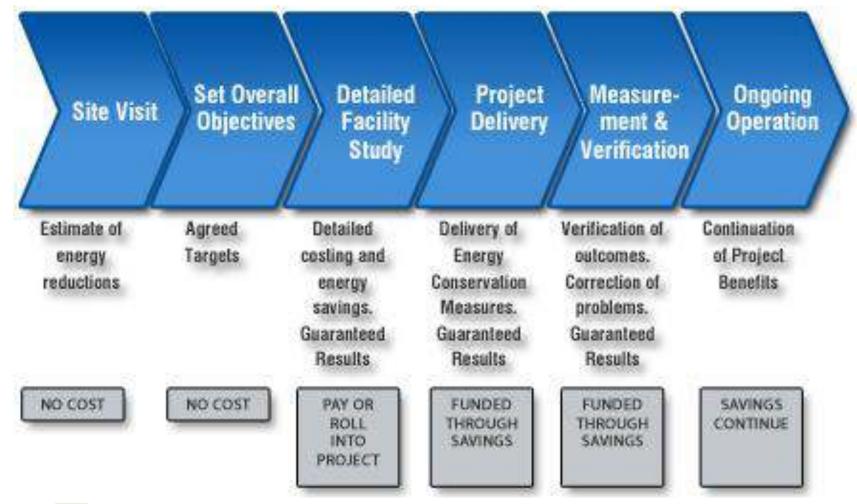


Benefits of ESPC

- Typically fixed-price contracts.
- ESPCs can get tax benefits.
- Includes thorough building and utility bill assessment.
- ROI of high-cost repairs can be more affordable when packaged in a performance contract (requires some capital).
- Performance contracts last 10+ years contractor guarantees equipment's performance and energy savings.
- Project costs spread over time (low-interest lease or bond) and some/all paid from guaranteed savings.



Performance Contracting Process





Century Center Project Scope

- Roof replacement
- Lighting & controls
- HVAC components & controls
- Ceiling tile (as part of lighting)
- Solar photovoltaic (24 kW)
- Timeline: 18 months







Century Center Project Costs and Financing

- Project total: \$4,926,784
 - Paid from savings?
 - Energy savings
 - Maintenance savings
 - Avoided costs
- Financing sources
 - Capital improvement funds
 - Hotel-motel tax funds
 - Energy-specific bond







Year 1 Project Results

Year One Actual Savings		
ECM	Guaranteed Energy Savings	Actual Energy Savings
ECM 1 - Roofing Replacement	\$1,645	\$1,694
ECM 2 - Lighting Replacement	\$20,805	\$23,724
ECM 3 - Lighting II - Upgrades	\$12,803	\$14,371
ECM 4 - HVAC System Upgrades	\$47,015	\$53,807
ECM 5 - HVAC Control System Upgrades	Included in ECM 4	\$0
ECM 6 - Ceiling Tile Replacement and Upgrades	\$0	\$0
ECM 7 - Install Solar PV	\$1,737	\$2,303
Total Energy Savings	\$84,004	\$95,899
Operational Savings	\$6,500	\$6,500
Capital Cost Avoidance Savings	\$362,936	\$362,936
Total Savings	\$453,440	\$465,335

Utility rebates: \$89,000



Panel Discussion

