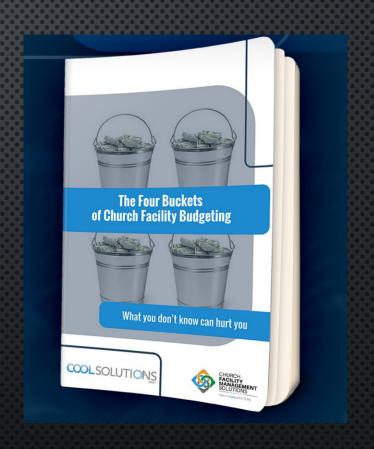
The Four Buckets of Church Facility Budgeting

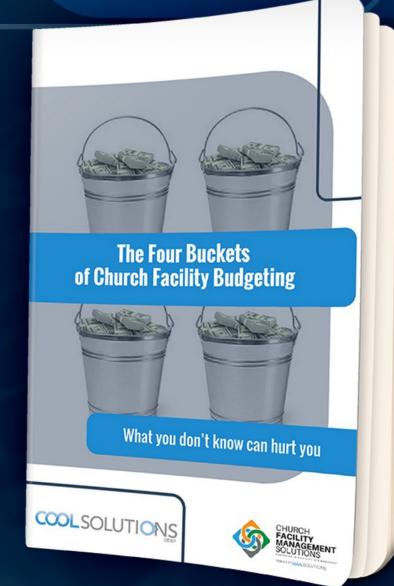














SMART CHURCH



Operational

- **1. Utilities** \$1.00-1.50/SF annually
- **2. Janitorial** (labor, material, paper products, major cleaning like carpet extractions, window cleaning, etc.) \$1.75-\$2.50/SF annually.
- 3. General Maintenance The national average is \$2.50-\$3.50/SF
- **4. Staff** Based on national surveys by our firm and <u>IFMA</u>, a well-run organization has one <u>Full Time Facility Staff Employee</u> for every 25,000 35,000 SF.



- Does not include managerial staff (unless...)
- Does not include grounds or insurance
- Outsourcing may impact these numbers
- ☐ Based on research by CSG and IFMA
- ☐ Assumes a 6-7 day/week active facility





Deferred Maintenance

- ☐ The practice of **postponing maintenance activities** such as repairs on real property in order to save costs, meet budget funding levels, or realign available budget monies.
- ☐ The failure to perform needed repairs could lead to <u>asset deterioration</u> and ultimately asset impairment.
- ☐ Generally, a policy of continued deferred maintenance may result in higher costs, asset failure, and in some cases, health and safety implications.



"Every \$1 in deferred maintenance costs \$4 of capital renewal needs in the future."

"If a necessary repair is deferred and allowed to remain in service until the next level of failure, the resultant expense will be 30-times the early intervention cost."





Preliminary Deferred Maintenance Assessment			
ITEM	COMMENT	POTENTIAL COST in 2016 DOLLARS	PROJECTED ETA
GENERAL ITEMS			
Floor finishes	Assuems 60% of all buildings at \$4/SF	\$ 480,000	1-5 years - phasing
Painting	Assuems 60% of all buildings at \$1.50/SF	\$ 180,000	1-5 years - phasing
Roofing	Varies (some areas have longer life and not included	\$ 250,000	1-10 years - phasing
Windows at A Building	Clean and colored	\$ 150,000	1-3 years
Other general items	Varies (ceiling grids, mirrors, toilet partitions, etc)	\$ 210,000	1-5 years - phasing
Parking Lot	Approximately 225,000 SF (2800 tons)	\$ 420,000	1-3 years
Furniture Fixtures and			
Equipment	Not including pews	\$ 120,000	1-5 years - phasing
AVL and technology	DID NOT EVALUATE		
10/4000 - 100 -	MECHANICAL	¢ 250,000	4.2
HVAC Controls System	18 years and at end of life		1-2 years
Building A HVAC Building B HVAC	See HVAC Report See HVAC Report		1-2 years
Building C HVAC	See HVAC Report		1-2 years
Building D HVAC (1)	See HVAC Report		1-2 years
Building D HVAC (2)	See HVAC Report - 240 ton unit	\$ 420,000	'
Building E HVAC	See HVAC Report		1-2 years
Building F,G,H HVAC	See HVAC Report - 15+ year old units	-	1-2 years
GN Building	See HVAC Report		1-2 years
ELECTRICAL			
Lighting - General	Upgrade to energy efficient - Varies	\$ 275,000	1-5 years
Lighting - worship	Upgrade to LED - labor intensive	\$ 375,000	1-5 years
	PROJECTED TOTAL*	\$ 3,640,575	
	*NOTE: This is not anxhaustive or inclusive list. It also makes certain assumtions on quantity and timing. However, it is a reasonable guide as to the amount of monies that are needed to address deferred mainenance.		



 The National Education Association - The teachers union estimated the nationwide cost of repairing, renovating, or building school facilities and installing modern educational technology at \$322 billion

• <u>U.S. Green Building Council's Center for Green Schools</u> Estimates modernization costs that would enable U.S. schools to meet current education, safety and health standards. **The grand total: \$542 billion**.



There are only <u>98,000 public schools</u> in America...and over <u>350,000</u> <u>churches.</u>

- 1. Schools are an "entitled" entity in our current social structure. However, our ministry and educational facilities have been <u>ENTRUSTED</u> to us which places even more responsibility on the stewards.
- 2. Public Schools are funded through taxes...which means their funding is not provided out of the goodness of contributors' hearts.





CAPITAL RESERVE (Life Cycle Planning)





FACING THE INEVITABLE

Life Cycle Planning



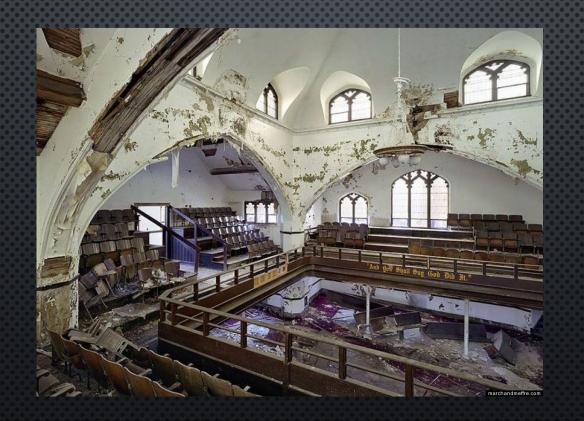


FACTS



FACT 1:

ALL BUILDINGS DETERIORATE AT AN ANNUAL RATE OF 1-4%





FACT 2:

AS SUCH, NEARLY EVERY PHYSICAL COMPONENT OF YOUR FACILITY WILL BE REPLACED OR HAVE A MAJOR OVERHAUL





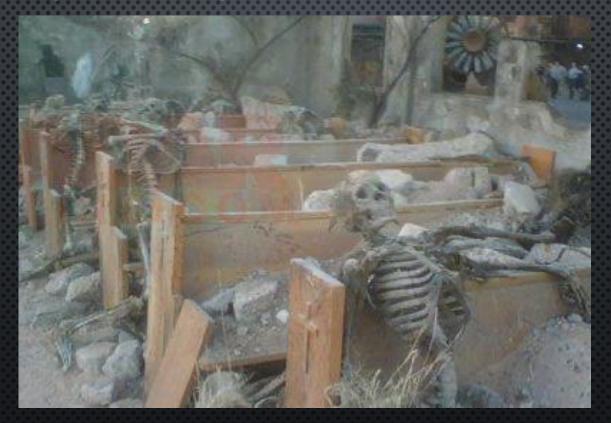
FACT 3:

ALL THE ABOVE WILL REQUIRE DOLLARS





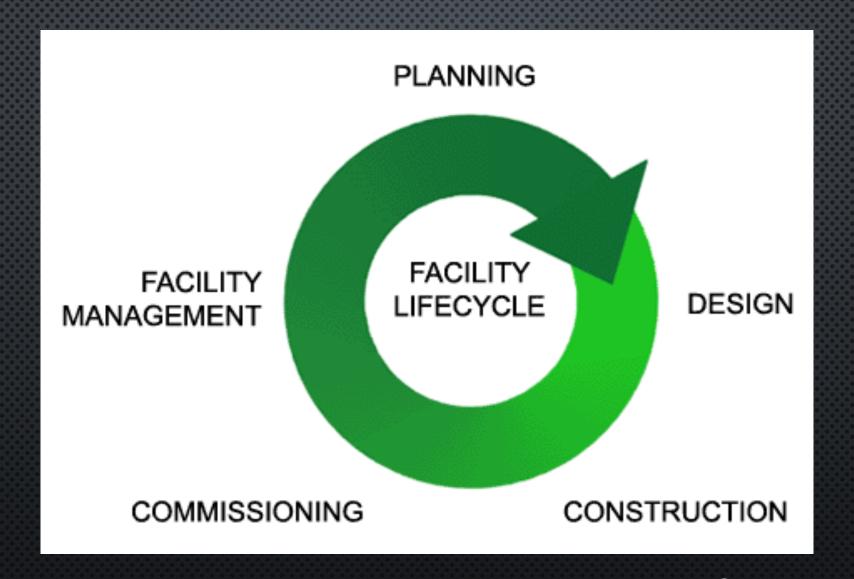
BONUS FACT: IF YOU DO NOT KEEP UP WITH THE NATURAL RATE OF DETERIORATION, THE RATE CAN GROW EXPONENTIALLY



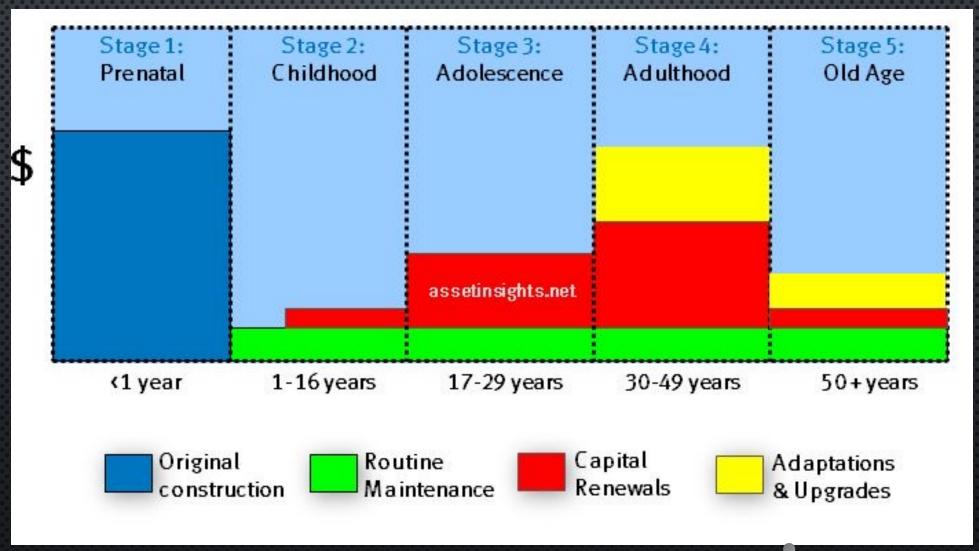


LIFE CYCLE

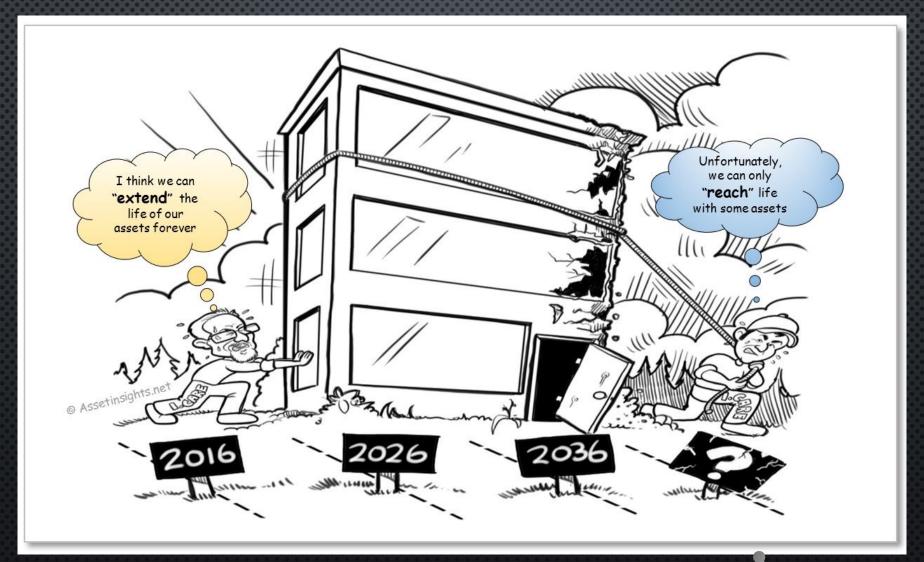












THE REAL COST OF FACILITY OWNERSHIP



INITIAL COST:

>30,000 SF Facility

\$4,654,500.00



DEBT:

\$3,000,000 15 year am. 6% interest Payoff in 7 yrs.

\$1,100,000.00



OPERATIONS - \$5.25-7.50/SF*

- > Utilities \$1.00 \$1.50
- > General Maintenance \$2.50 -\$3.50
- > Janitorial \$1.75 \$2.50

* Does not include managerial staff, grounds, or insurance



Operations - \$5.25-\$7.50/SF Capital Reserves - \$1-3.00/SF TOTAL: \$6.25 - \$9.50

ASSUMPTION: \$7.00/SF

\$210,000.00 Annually



ASSUME A 40 YEAR LIFE CYCLE AT 1.5%* ANNUAL INFLATION

* 1.5% may be too low...just saying

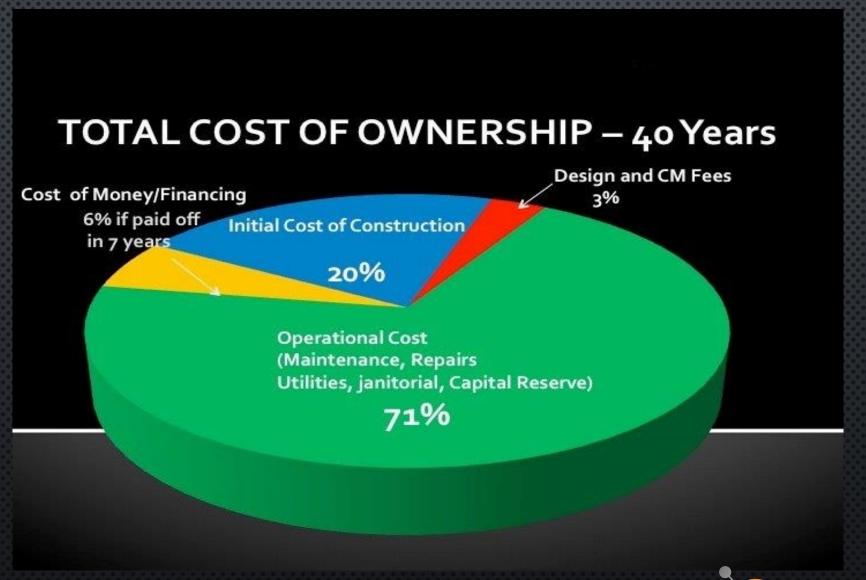


Initial Cost = \$4,654,500 Cost of Money = \$1,100,000 Operations = \$13,440,000



TOTAL COST OF OWNERSHIP \$19,194,500.00





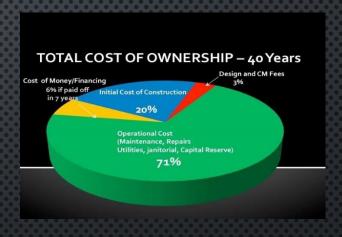




80% OPERATIONS



85% OPERATIONS



71% OPERATIONS



THE FIRST CAPITAL RESERVES ACCOUNT

2 KINGS 12:4-15



⁵ "Let every priest receive the money from one of the treasurers, then use it to repair whatever damage is found in the temple."



⁶ "But by the twenty-third year of King Joash the priests still had not repaired the temple."



8 "The priests agreed that they would not collect any more money from the people and that they would not repair the temple themselves."

PS: They hired people to do it!!!



BTW...

The Original Facility Managers Were Considered Holy Men

Numbers 3:14-38

Levites were the first Facility Guys





RESERVES



CAPITAL RESERVE (NOUN):

an amount of <u>money</u> that a company or organization keeps in a <u>special account</u> for <u>future</u> needs.

Cambridge Business English Dictionary ©



1. Money...Dollars, Green Backs, Currency

2. Special Account...Designated

3. Future...Down the road, not for now





THIS IS NOT A RAINY-DAY FUND



YOU MUST FACTOR YOUR DETERIORATION RATE ON THE CURRENT REPLACEMENT VALUE (CRV)







CURRENT REPLACEMENT VALUE (CRV)





HOW MUCH IS ENOUGH?



\$2-3/SF ANNUALLY PLUS WHAT YOU NEED TO ADDRESS DEFERRED MAINTENANCE

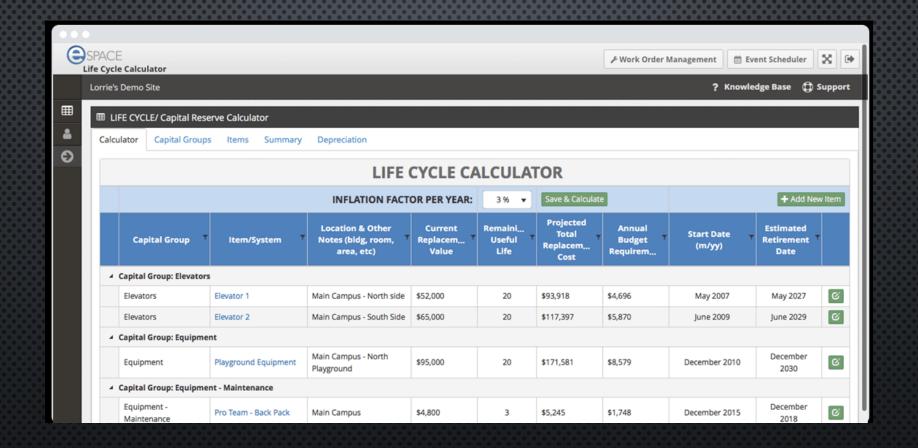


SMART CHURCH
SOLUTIONS

ELECTRICAL	YEARS
Bulbs (compact fluorescent)	8,000 to 10,000+ hours
Bulbs (halogen)	4,000 to 8,000+ hours
Bulbs (incandescent)	1,000 to 2,000+ hours
Bulbs (LED)	30,000 to 50,000+ hours
Fixtures	40
Lighting Controls	30+
Service Panel	60
HVAC	YEARS
Air Conditioner (central)	7 to 15
Air Exchanger	15
Boiler	40
Condenser	8 to 20
Dampers	20+
Dehumidifier	8



USE A TOOL





Prioritize

LARGEST LINE ITEMS

- HVAC
- Roofing
- Asphalt

OPERATIONAL IMPACT

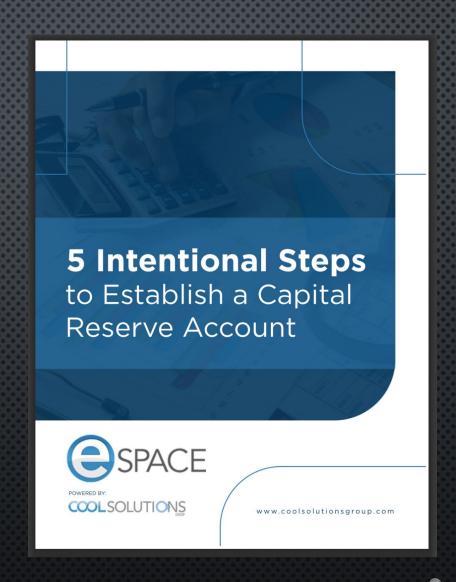
- HVAC (see a pattern)
- Building Envelope (Windows, Caulk, Doors, Insulation, Air/Water Intrusion)
- Lighting/Electrical

VISUAL IMPACT

- Parking and site concrete
- Floor finishes
- Wall Finishes
- Lighting



FREE eBook







Capital Projects:

- Renovations
- > Additions
- > New Construction
- Repurposing













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