Sazan Bimo Senior Project Manager – Accruent March 2016

ASSET REPLACEMENT VALUE AND FCI CALCULATION

ARV Formula

ARV calculation formula

- ARV= OTG * Area Benchmark * Space Benchmark * GAF
- OTG On the Ground Capacity
- Area Benchmark is calculated based on OTG through Ministry calculator
- Space Benchmark for Secondary Schools is 2096 CAD

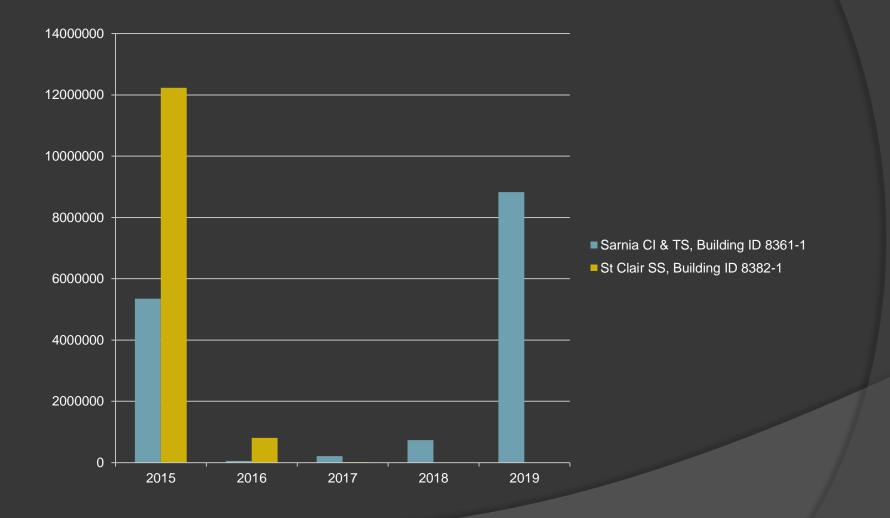
ARV Calculation

	Sarnia	St. Clair
OTG at calculation time	1,050	1,197
Area Benchmark	12.66	12.37
Space Benchmark	2096.16	2096.16
GAF =1.06	1.06	1.06
	\$ 29,536,110.17	\$ 32,899,867.17

Area Benchmark

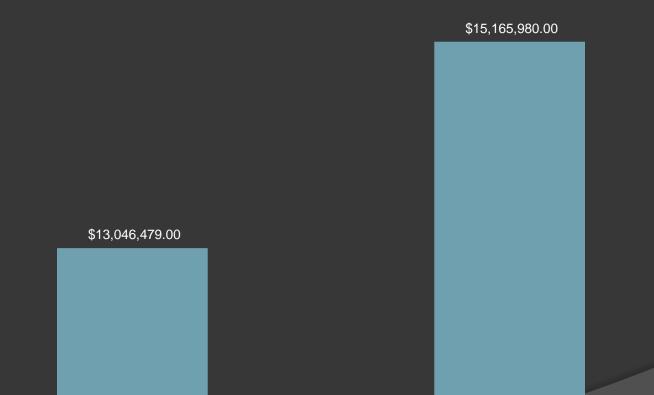
Lower the OTG the higher the space benchmark due to overhead

Five Year Renewal Needs



Renewal Needs

Five Year Renewal Needs



St Clair SS, Building ID 8382-1

Sarnia CI & TS, Building ID 8361-1

FCI Calculation

• Facility Condition Index = $\frac{1}{Asset Replacement Value}$

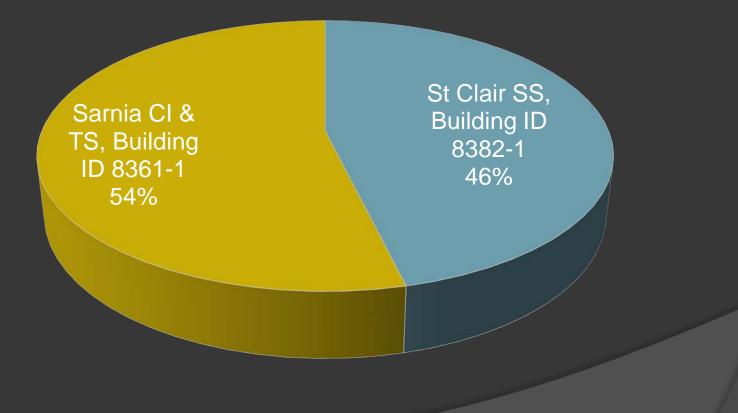
- Sarnia FCI = $\frac{\$15,165,980.00}{\$29,536,110.00}$
- \odot Sarnia FCI = 51%

• St. Clair FCI = $\frac{\$13,046,479.00}{\$32,899,870.00}$

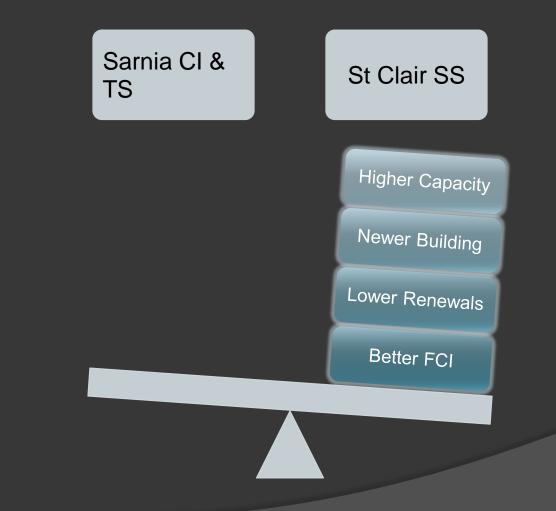
• St. Clair FCI = 40%

Renewal Needs in %

Renewal Needs in % in Five Years



Decision Making Process



Sarnia Renewal by Discipline

	2015	2016	2017	2018	2019	Total
B SHELL C INTERIORS D SERVICES F SPECIAL CONSTRUCTION &	\$876,077 \$926,126 \$3,341,374 \$0	\$0 \$0 \$49,608 \$0	\$0 \$0 \$209,456 \$0		\$269,912 \$1,449,108 \$4,037,420 \$0	\$1,145,990 \$2,375,234 \$8,365,443
DEMOLITION G BUILDING SITEWORK	\$204,275	\$0	\$0	\$0	\$3,075,039	\$0 \$3,279,313
Total	\$5,347,853	\$49,608	\$209,456	\$727,584	\$8,831,479	\$15,165,980

St. Clair Renewal by Discipline

	2015	2016	2017	2018	2019	Total
B SHELL	\$1,202,718	\$O \$	10,400	\$0	\$0	\$1,213,118
C INTERIORS	\$2,285,275	\$309,920	\$0	\$0	\$0	\$2,595,195
D SERVICES	\$6,841,335	\$446,321	\$0	\$0	\$0	\$7,287,656
E EQUIPMENT &	\$60,632	\$0	\$0	\$0	\$0	\$60,632
FURNISHINGS						
F SPECIAL	\$0	\$0	\$0	\$0	\$0	
CONSTRUCTION &						
DEMOLITION						\$0
G BUILDING	\$1,843,077	\$46,800	\$0	\$0	\$0	\$1,889,877
SITEWORK						
Total	\$12,233,038	\$803,041 \$	10,400	\$0	\$0	\$13,046,479