

OPERATING COST COMPARISON

LED Lighting

Year Round Cultivation	Total kwh per year	Average kwh per sq ft/yr	Average \$\$ per sq ft/yr	Projected Savings		
				1 Year \$\$	3 Year \$\$	5 Year \$\$
Standard Indoor Cultivation	3,014,865	251 kwh	\$37.60	-	-	-
Elevated Positive Pressure	720,342	53.31 kwh	\$7.99	\$355,236	\$1,065,708	\$1,776,180

Example of a 12,000 sq ft Hybrid Positive Pressure Greenhouse with
LED High efficient supplemental lighting with an average PPFD of 900
Comparing Standard Indoor Cultivation VS Elevated Positive Pressure Greenhouse
using specific Veg and Flower hours for 4.5 cycles per year

Cooling

Year Round Cultivation	Total kwh per year	Average kwh per sq ft/yr	Average \$\$ per sq ft/yr	Projected Savings		
				1 Year \$\$	3 Year \$\$	5 Year \$\$
Standard Indoor Cultivation	1,721,705	143.47	\$21.52			
Elevated Positive Pressure	51,600	4.3	\$0.64	\$250,515	\$751,545	\$1,252,575

Example of a 12,000 sq ft Hybrid Positive Pressure Greenhouse with
Comparing Standard Indoor Cultivation VS Elevated Positive Pressure Greenhouse
Comparing Elevated Evaporative chiller wall VS standard HVAC cooling

Overall Utility Expense

Year Round Cultivation	Total kwh per year	Average kwh per sq ft/yr	Average \$\$ per sq ft/yr	Projected Savings		
				1 Year \$\$	3 Year \$\$	5 Year \$\$
Standard Indoor Cultivation	4,736,570	394.71	\$59.12	-	-	-
Elevated Positive Pressure	771,942	64.32	\$8.64	\$605,751	\$1,817,253	\$3,028,755

Example of a 12,000 sq ft Hybrid Positive Pressure Greenhouse with
Comparing Standard Indoor Cultivation VS Elevated Positive Pressure Greenhouse
combining HVAC and LED lighting expenses