	Your	Company	Name/Logo
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Project Title:	Sample Project			
Project ID:	130206			

Project Manger: T.M.

Prepared By:W.TSheet:1 of 1Checked By:D.W.Date:7/3/2016

FAN ENERGY CONSUMPTION & OPERATING COST ESTIMATES

Notes:

Annual Energy Cost Calc.

$EnergyCostPerYear = \frac{(HP) \times (0.746 kW/HP) \times (hr/yr) \times (\$/kWh) \times (LF)}{(LF)}$

MotorEfficiency

Annual Cost = (BHP x 0.746kW per HP x 1/Eff x Operating hrs per yr x Cost per kW/hr)

Fan Annual Operating Cost							
	Existing	Proposed		Remarks			
Fan Airflow	25,000	25,000	CFM				
Total Static Pressure	3.2	3.2	inches				
Motor Efficiency	85%	90%	%	Typical: 85% to 95%			
Fan BHP =	14.81	13.99	BHP				
Cost per kW/hr	\$0.13	\$0.13	\$/kW				
Operating hours per year	8,760	8,760	hrs	24/7 all year			
Annual Fan Operating Cost =	\$14,802	\$13,203					

Existing vs. Proposed = \$1,599

REMARKS:

Fan operating cost comparison.