

Large Commercial ⁽¹⁾ Demand Analyzer™ Energy Analysis Input Form

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|--|---|---|---|---|---|
| Customer & Dealer Information | Film Installation Company (Dealer) Name | | Dealer Contact Name and Phone | | |
| | Customer Company Name | | Customer Contact Name | | |
| | Customer Address | | Customer Contact Phone | | |
| | City – State - Zip | | Nearest Large City (used for weather data) | | |
| General | Type of Building (choose from list on bottom of page 2) | | Year Building was built | | |
| | Total Building Floorspace Area: Meters | | Square Feet / Square | | |
| Utility Rates And Annual Energy Costs | Electricity Cost per kilowatt hour: (Typically 0.03 to 0.12 US \$ per kwhr) | | Electricity Cost per KW Demand (if applicable): | | |
| | Natural Gas Cost per therm: (Typically 0.35 to 0.70 US \$ per therm) | | Notes: Cost per therm = Cost per mcf divided by 10. Cost per therm = Cost per cubic meter times by 2.832 1 mcf = 1,000 cubic feet | | |
| | Fuel Oil Cost per gallon: | | | | |
| | Annual Costs for: Electricity | | Natural Gas Fuel Oil | | |
| Thermostat Settings | Heating Heating Setback Cooling Cooling Setback | | | | |
| Envelope | | North | East | South | West |
| | Windows Shaded by an Adjacent Building (Adjacent Shading) | Yes / No | Yes / No | Yes / No | Yes / No |
| | Window Area⁽²⁾ (circle appropriate units) | Sq Ft / Sq m | Sq Ft / Sq m | Sq Ft / Sq m | Sq Ft / Sq m |
| | Film to be applied to this exposure? (Circle Yes or No) | Yes / No | Yes / No | Yes / No | Yes / No |
| | Window Setback from building exterior (circle appropriate units) | Ft / m | Ft / m | Ft / m | Ft / m |
| | Window Shading Used (Drapes or Blinds) | Yes / No Used _____ % of the time | Yes / No Used _____ % of the time | Yes / No Used _____ % of the time | Yes / No Used _____ % of the time |
| | Window Glass Type (circle appropriate pane thickness, number of panes, tint, if reflective, and if Low-e windows - circle Low-E type) | 1/8 3/16 1/4 3/8 1/2 Single / Double / Triple Clear / Gray / Bronze / Green / Blue Reflective? Yes / No Low-E / Hi Perf Low-E | 1/8 3/16 1/4 3/8 1/2 Single / Double / Triple Clear / Gray / Bronze / Green / Blue Reflective? Yes / No Low-E / Hi Perf Low-E | 1/8 3/16 1/4 3/8 1/2 Single / Double / Triple Clear / Gray / Bronze / Green / Blue Reflective? Yes / No Low-E / Hi Perf Low-E | 1/8 3/16 1/4 3/8 1/2 Single / Double / Triple Clear / Gray / Bronze / Green / Blue Reflective? Yes / No Low-E / Hi Perf Low-E |
| "Hi Performance Low-E" refers to Low-E windows with substantial summer heat rejection properties, such as Cardinal Low-E Squared, PPG Solarban and Sungate 1000, Pilkington/LOF Solar E, or Viracon SolarScreen 2000 windows. (See CPFilms Tech Bulletin 41F). | | | | | |

(1) Refer to bottom of page 2 for building types included in Large Commercial category.

(2) Show all window square footages, even if windows are not to be filmed. Also, for exposures that do not face true N, S, E or W, divide the window square footage evenly between the appropriate adjacent N, S, E or W exposures. For example, for a SW exposure, include half of the SW square footage in the S column and half of the SW square footage in the W column.

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Check with building engineering or maintenance personnel for the next section:

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|-----------------------------|--|
| Air Distribution | <p>Check appropriate air distribution system type</p> <p><input type="checkbox"/> Variable Volume <input type="checkbox"/> Constant Volume with reheat <input type="checkbox"/> Powered Induction Units</p> <p><input type="checkbox"/> Check box if Air-side economizer is in use</p> |
| Central Plant | <p>Check appropriate equipment types</p> <p>Heating Plant <input type="checkbox"/> None <input type="checkbox"/> Gas Boilers <input type="checkbox"/> Electric Boilers (check one only)</p> <p>Cooling Plant <input type="checkbox"/> None <input type="checkbox"/> Centrifugal Chiller <input type="checkbox"/> Reciprocating Chiller <input type="checkbox"/> Variable Speed Drive (VSD) Chiller (check one only) <input type="checkbox"/> Double Bundle Chiller <input type="checkbox"/> Gas Absorption Chiller</p> <p>Cooling Tower <input type="checkbox"/> None <input type="checkbox"/> Centrifugal Fans <input type="checkbox"/> Propeller Fans (check one only) <input type="checkbox"/> 2 speed Propeller Fans <input type="checkbox"/> Variable Speed Propeller Fans</p> |

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|---|--|
| Film Types and Job Quote | <p>List the films to include in the report _____</p> <p>Total Film Square Footage (meters) _____</p> <p>Price per square foot (sq m) ⁽³⁾ _____</p> <p>List the TOTAL JOB QUOTE⁽³⁾ _____ for each film. (For example: 10,000 sqft @ \$3.00 per sqft, enter \$30,000)</p> |
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Building types included in Large Commercial category:

1. Large Office
2. Large Retail
3. Hospital
4. Nursing Home
5. High School
6. College
7. Hotel

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 (3) Be sure to include the effect of any applicable utility rebates in the customer's final cost.