

*~~Energy Efficiency~~
Improvements and
~~Sustainable Design~~*

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FAIRBANKS-MORSE PUMPS

ALCOA ALUMINUM ROOFING

LOWE'S Since 1921

NORTH WILKESBORO HARDWARE

Grubbe

and ROOFING

EXHIBIT 30

CASUALTY

Lowe's Demographics

- **Founded in 1946**
- **More than 1400 stores in 49 states**
- **\$47 billion Fortune 50 company**
- **Serves over 13 million customers a week**
- **Second-largest home improvement retailer in the world**
- **Opening in Greater Toronto Area this year**
- **Moving into Mexico in 2009**



Energy Efficiency Leadership

- **In the Community**
- **Energy Star Retail Partner**
 - Product assortment
 - Actions in the store
- **As a Fortune 50 company**
 - Increased visibility brings increased responsibility
- **As a large consumer of power & natural resources**



Efficiency Improvements

- **Metal halide to fluorescent conversions**
- **High efficient HVAC replacements**
- **Building management upgrades**
- **Cool roofs**
- **Desiccant cooling**



Desiccant Cooling



- SEMCO Revolution
- Spartanburg, SC Test – Summer & Fall 2006
- One REV 4500 installed for humidity control
- Downsize from 20 ton units to 15 ton units?



Sustainable Design



- Skylights
- Cool roof
- Building envelope
- Efficient HVAC equipment
- High performance lighting
- Building management system
- LEED compliant



Sustainable Design



■ Photovoltaics

- Four stores in California
- Total of 1830 kilowatts
- Generated 7.5 million kWh



Lowe's of SW Austin, TX

- LEED Gold Certified
- Rainwater reclamation
- Re-irrigation of storm water
- Locally sourced building materials
- Concrete parking lot
- Low flow toilets



Why the Commitment?



- **Corporate responsibility**
 - Consumer demand & expectation
- **Education of the market and ourselves**
- **Reduced operating costs**

