

REFERENCES

ASHRAE Standard 62.1-2004

ASHRAE Standard 90.1-2004

LEED-NC Version 2.2

Carrier's Hourly Analysis Program Version 4.2

RETScreen International

PHOENICS-VR

"Ground Source Heat Pump Manual." Department of Environmental Protection

"Design Issues in the Commercial Application of GSHP Systems in the U.S." Geo-Heat Center, Kevin Center

Mueller Accu-Therm Heat Exchanger Calculator. www.hxrx.muel.com

"Health Effects of Ultraviolet Irradiation in Asthmatic Children's Homes." Journal of Asthma

CREON2000 Room Unit, www.creon2000.com

"The Art Institute of Pittsburgh Announces Plans for Downtown Housing Complex."

The Art Institute of Pittsburgh. 18 Nov. 2006

http://www.artinstitutes.edu/pittsburgh/news_calendar/news_housingrelease.asp

Flaherty, Robert. "Geothermal Heat Pump Systems." SEi Companies 14 Dec. 2006 http://www.seicompanies.com/vision/White%20Papers/Geothermal%20Heat%20Pump%20Systems_.pdf

"The Fourth River." Four Rivers Software Systems. 14 Dec. 2006 http://www.frsoft.com/Pages/InfoPage.aspx?PageID=7

Erin M. Faulds 39 Senior Thesis



- "Geothermal System Types." McQuay International. 14 Dec. 2006 http://www.mcquay.com/McQuay/DesignSolutions/GeothermalPage2
- "Ground Source Heat Pump Manual." Department of Environmental Protection. 2000. 14 Dec. 2006 www.dep.state.pa.us>
- "Heat Pump." Wikipedia. 2 Oct. 2006 http://en.wikipedia.org/wiki/Heat_pump
- "The Point: The Underground River." Carnegie Library of Pittsburgh. 2006. Carnegie Library of Pittsburgh. 14 Dec. 2006

 http://www.clpgh.org/exhibit/neighborhoods/point/point_n77.html
- "Water-loop Heat Pumps." Advanced Buildings. 14 Dec. 2006 http://www.advancedbuildings.org/main_t_heat_water_loop_.htm
- O'Brien, Morgan. "Schedule of Rates." Duquesne Light Company. 2006. Duquesne Light Company. 18 Nov. 2006. http://www.duquesnelight.com/CustomerService/Bills&Payments/UnderstandingMyBill/Tariff%20No.%2023_39.pdf#page=102
- "State Electricity Profiles." Energy Information Administration. 2004. DOE/EIA. 18 Nov. 2006

 http://www.eia.doe.gov/cneaf/electricity/st_profiles/e_profiles_sum.html
- Frutchey, D. L. "Schedule of Rates, Rules and Regulations." 2006. *Equitable Gas Company*. 18 Nov. 2006

 http://www.eqt.com/equitable_gas/company_information/tariff/PaTariffWhole.rtf
- "Natural Gas Prices." Energy Information Administration. 2006. DOE/EIA. 18 Nov. 2006 http://tonto.eia.doe.gov/dnav/ng/ng_pri_sum_dcu_SPA_m.htm

McKamish, Documents for Try Street Terminal Building.

TKA Architects, Documents and rendering for Try Street Terminal Building.

Erin M. Faulds 40 Senior Thesis



The Pennsylvania State University Department of Architectural Engineering Faculty Advisors

Past Penn State AE Thesis Technical Reports

Mechanical Option 2007