



HEIDI LANDIS

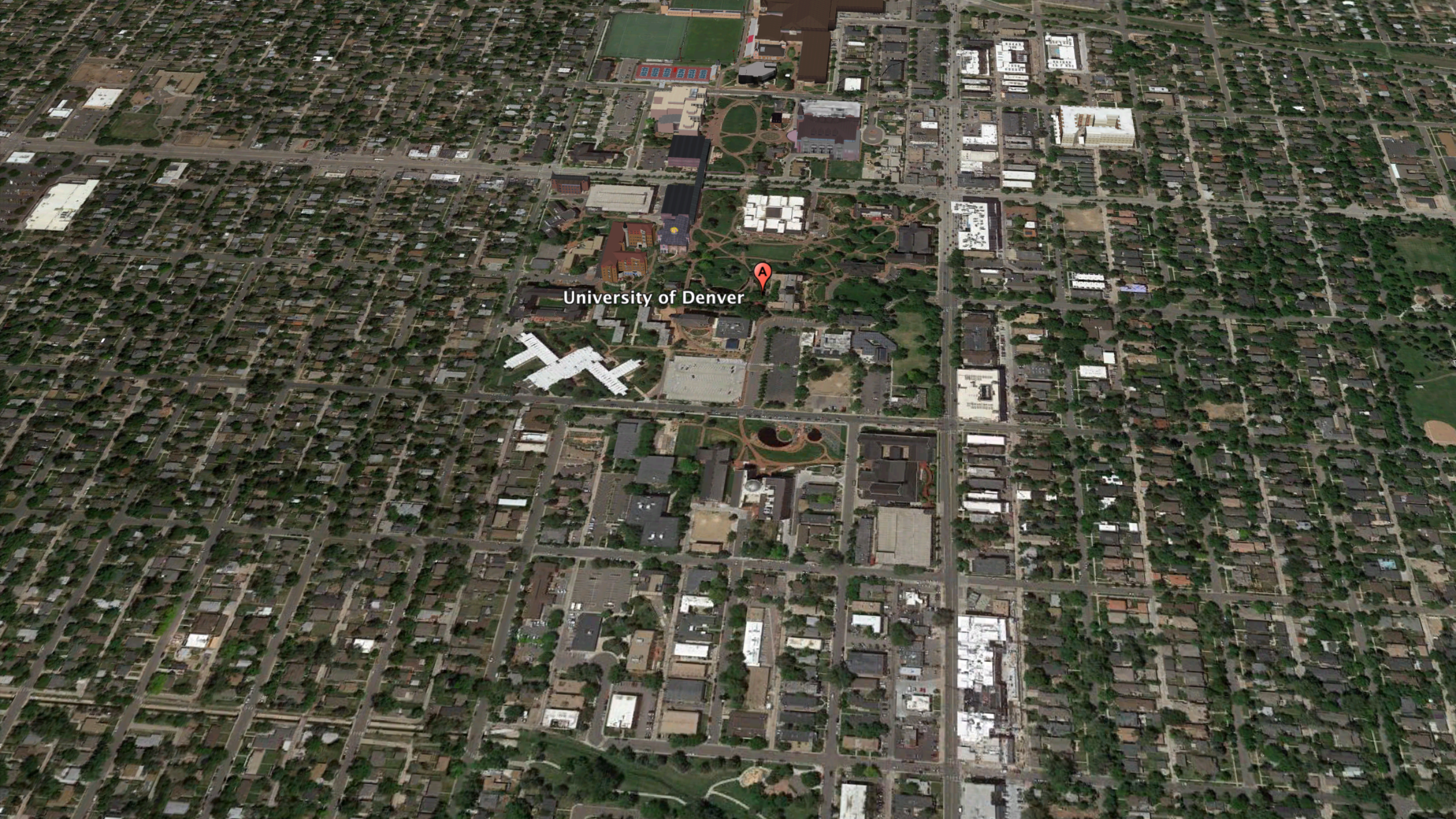
DU alt-energy redux

EDPX 4350 – WINTER 2018



# ASSIGNMENT





University of Denver



University of Denver



# CHALLENGES



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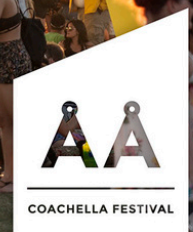
- Funding/Support
- Aesthetics (revision to existing structures)
- Academia/Approvals

# CREATIVE INSPIRATION





Alex Arrechea – *Katrina Chairs* (Coachella 2016)



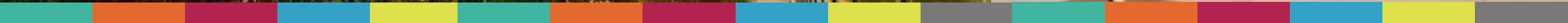


Tim Hawkinson – *Bear* (2005)





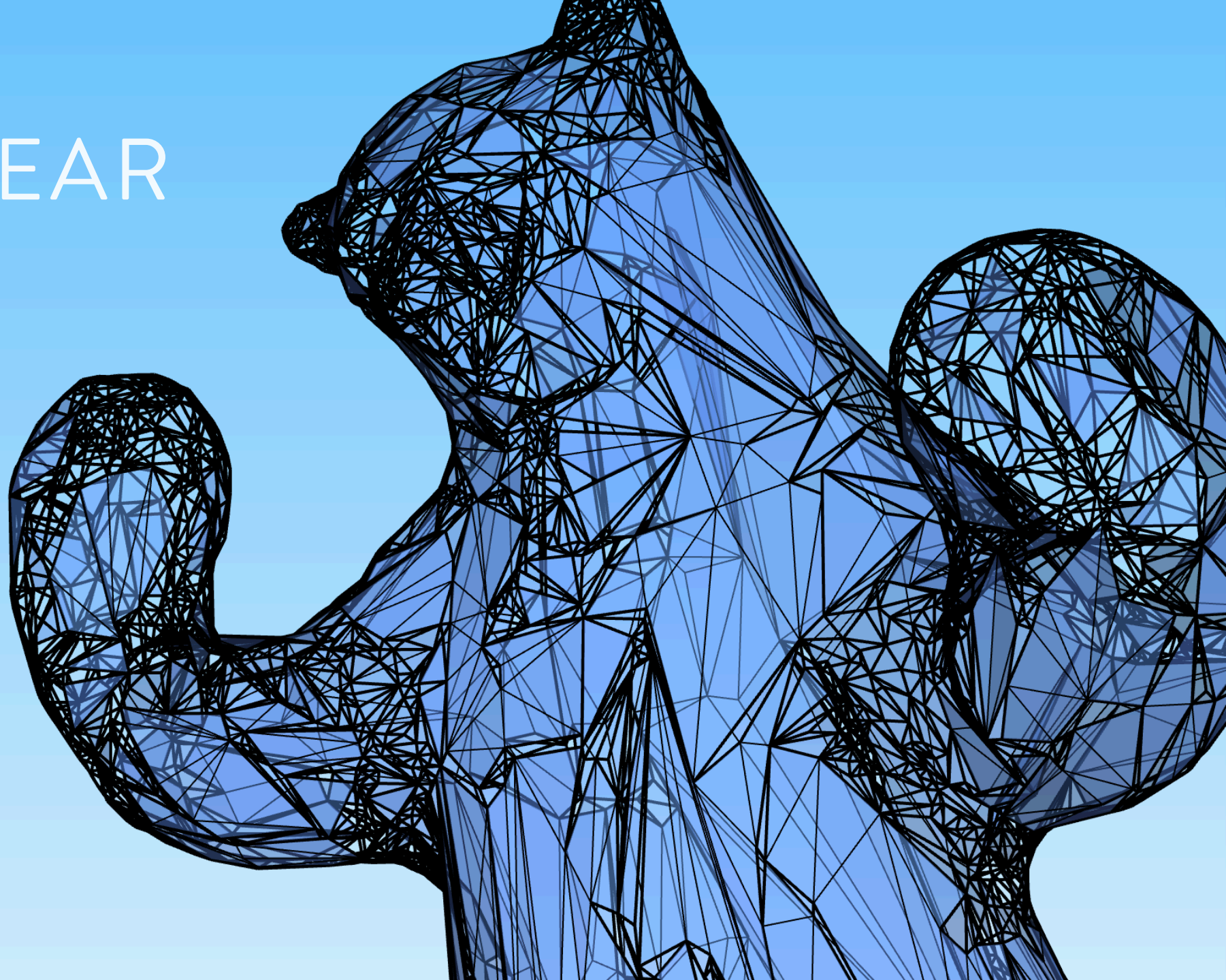
Lawrence Argent - *I See What You Mean* (Denver Convention Center 2005)



# RECOMMENDATION



# SOLAR BEAR

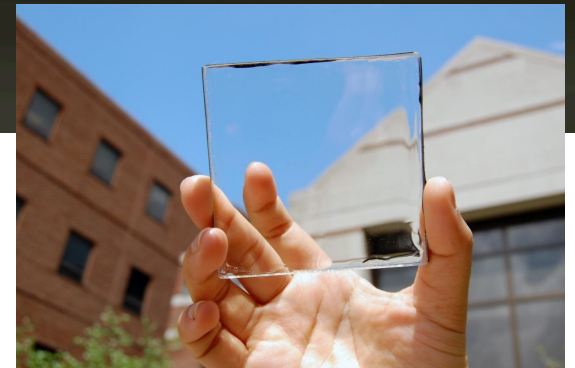


# SOLAR BEAR



- Approx. 50' tall
- Made of solar glass (blue tint)

- Rotating upper platform to provide maximum sun exposure






# SOLAR BEAR

# SOLAR BEAR

## 27,351 kWh/Year\*

**PVWatts Calculator** 

My Location: 2121 Asbury Avenue Denver CO HELP FEEDBACK ALL NREL SOLAR TOOLS

RESOURCE DATA SYSTEM INFO **RESULTS**

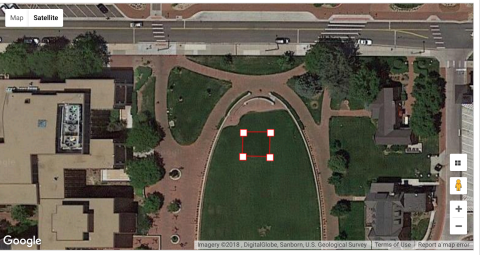
**RESULTS** Print Results

**27,351 kWh/Year\***

System output may range from 25,176 to 28,324 kWh per year near this location. [Click HERE](#) for more information.

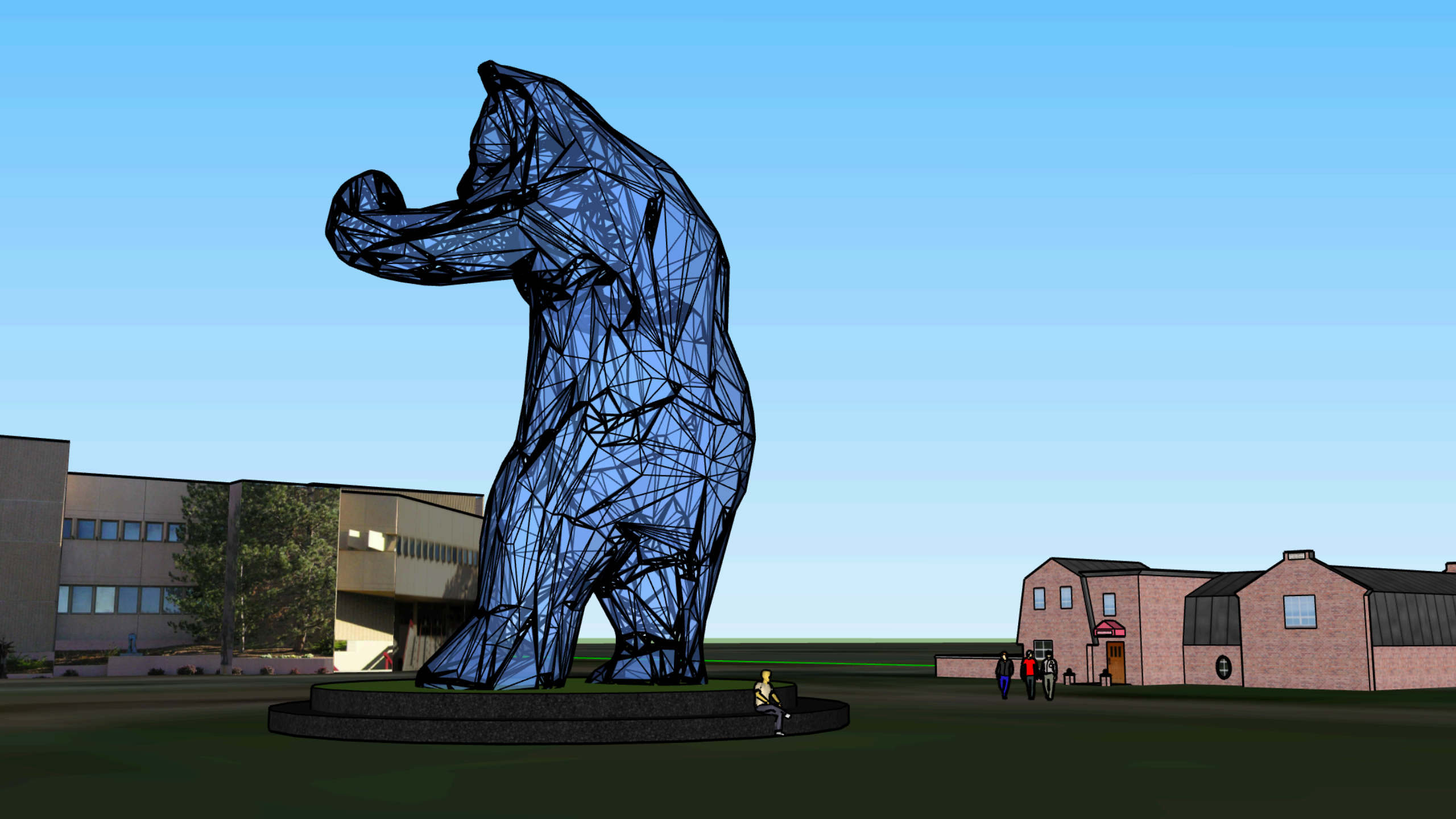
Month	Solar Radiation (kWh / m <sup>2</sup> / day)	AC Energy (kWh)	Energy Value (\$)
January	5.15	1,868	171
February	5.86	1,875	172
March	7.36	2,570	235

System Capacity: 13.8 kWdc (92 m<sup>2</sup>)

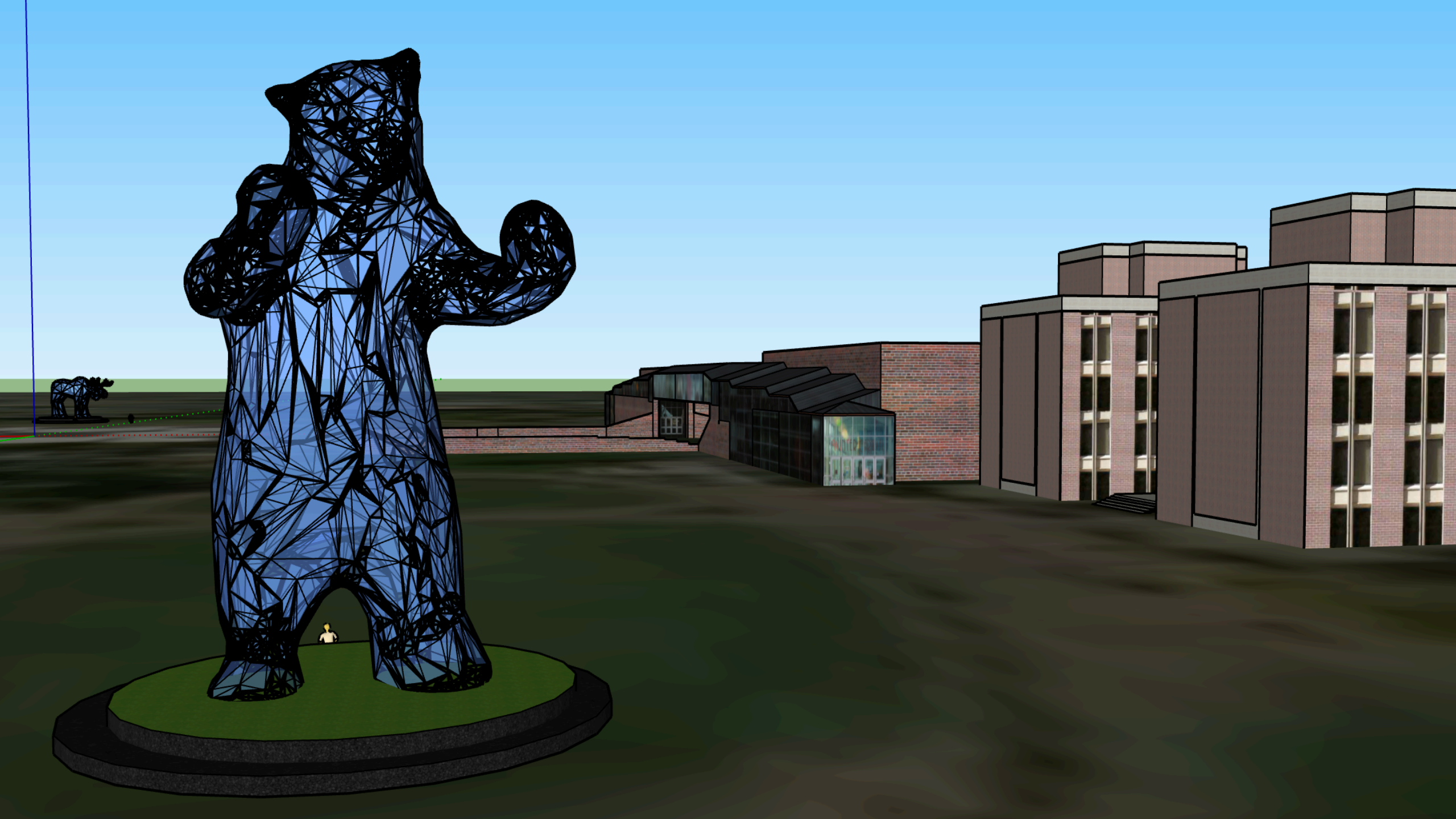


Module Type: Standard  
Array Type: 1-Axis Backtracking  
Array Tilt: 39.7°  
Array Azimuth: 180°  
System Losses: 14%











S O L A R   B E A R

DU alt-energy  
REDUX

