



Green Buildings in Manufacturing Can It Be Done?

Taimur Burki

August 2014



AFTER THE EXPLOSION AND FIRE. Looking west. Smokestack and ruins of Grover Factory at right; Dahlborg Block at left; ruined dwellings in background. Curved white line shows path of boiler from base of smokestack to house of Miss Pratt, where it lodged.

View from Churchill & Abden Shoe Factory on east side of Main Street.



What is a Green Building?

Standards and Rating Systems

LEED

Leadership in Energy and
Environmental Design
(USGBC)

Green Globes

BREEAM

Building Research
Establishment
Environmental Assessment
Methodology

Three Star System

The Ministry of
Construction's Green
Building Evaluation
Standard

Do Green *Factories* Exist?

738 LEED-
certified
facilities

=

195 million
square feet

1,335 facility
certifications
in process

=

343 million
square feet

Intel has +7.8 million square feet of manufacturing facilities building certified to LEED NC or EBOM at various levels.



Intel Ocotillo Campus: LEED EBOM Silver (2009)

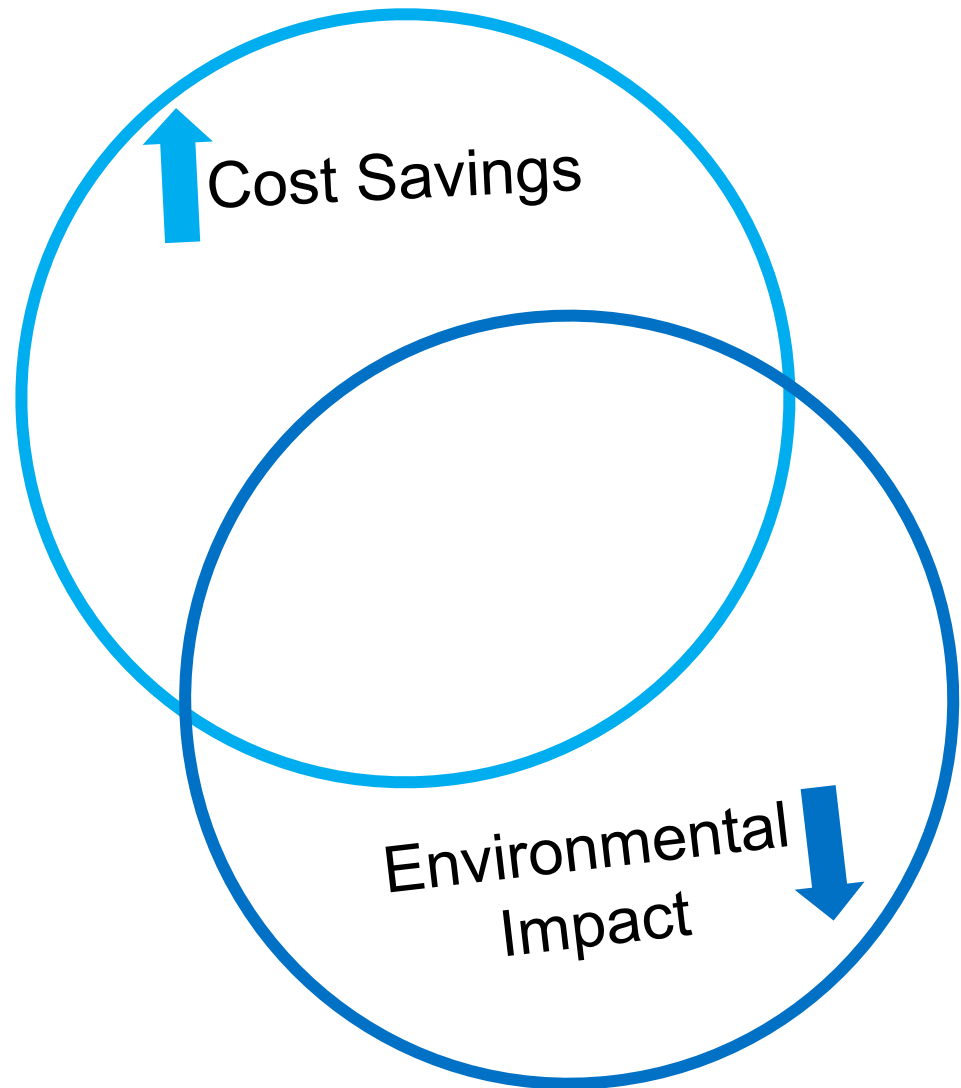
Intel Chandler CH-8 Building: LEED NC Gold (2014 pending)



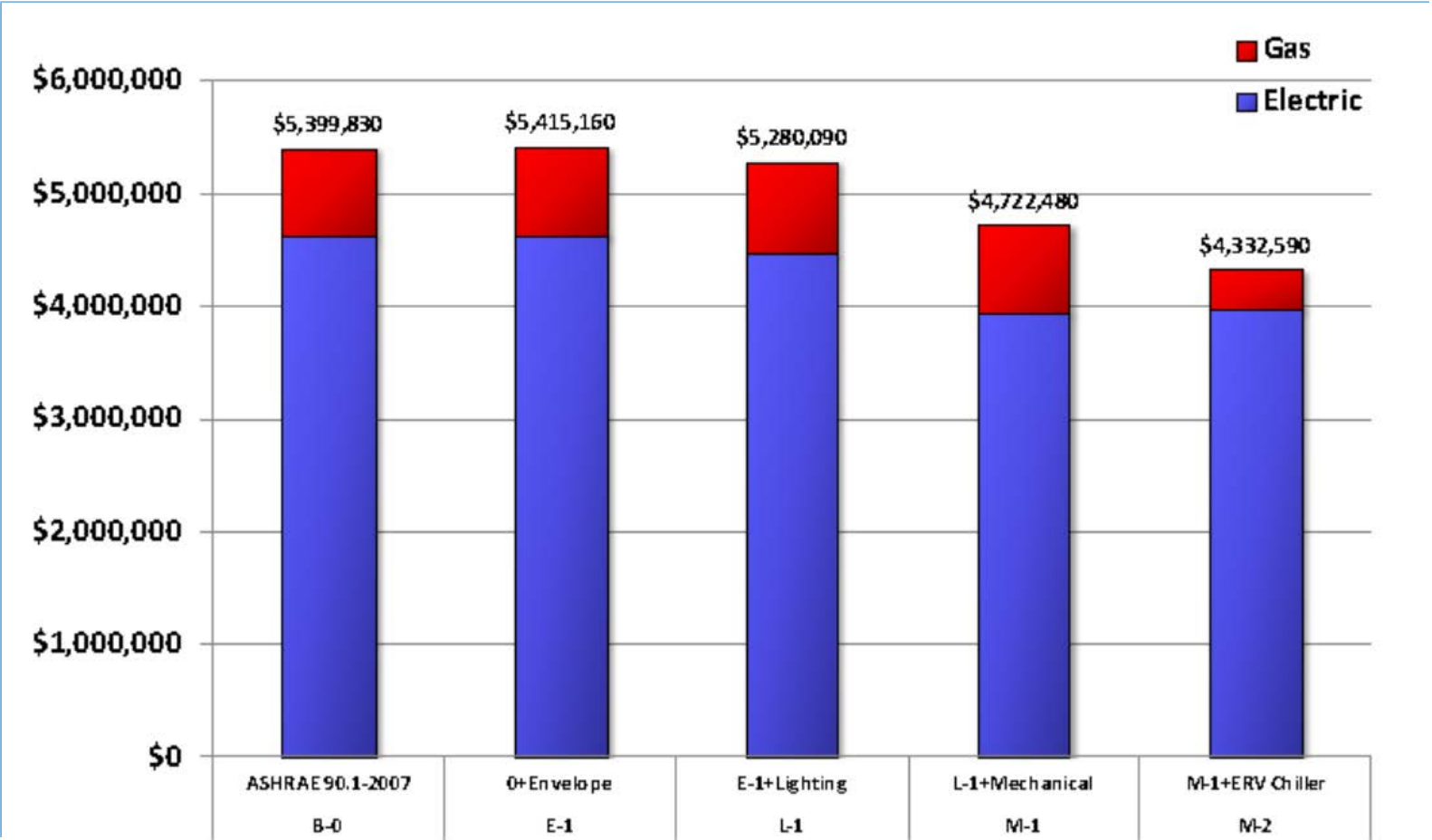


Intel Chandler CH-8 Building: LEED NC Gold (2014 pending)

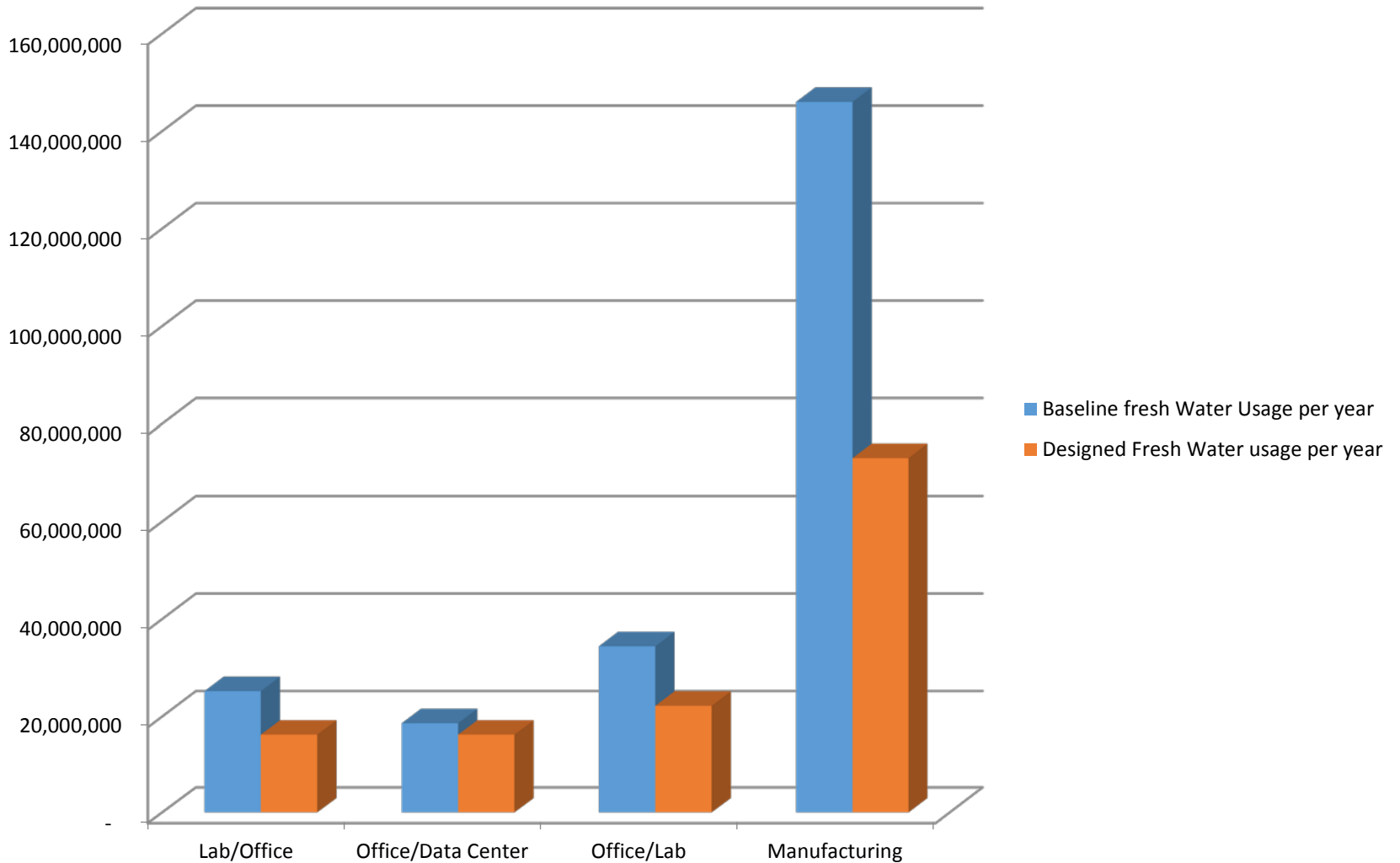
Why would you
LEED certify a
manufacturing
building?



Energy Savings



Water Savings



Why not?

Questions?