



# Energy Efficiency in BOMA BEST Certified Buildings

Building Environmental Standards





# Four Different Assessments



Building Environmental Standards





# Four Levels of Certification

- BESt practices – minimum requirement
- BOMA BEST assessment score for higher levels
- **Third party verification**



Level 4 – BESt Practices, >90% on BB assessment



Level 3 – BESt Practices, 80-89% on BB assessment



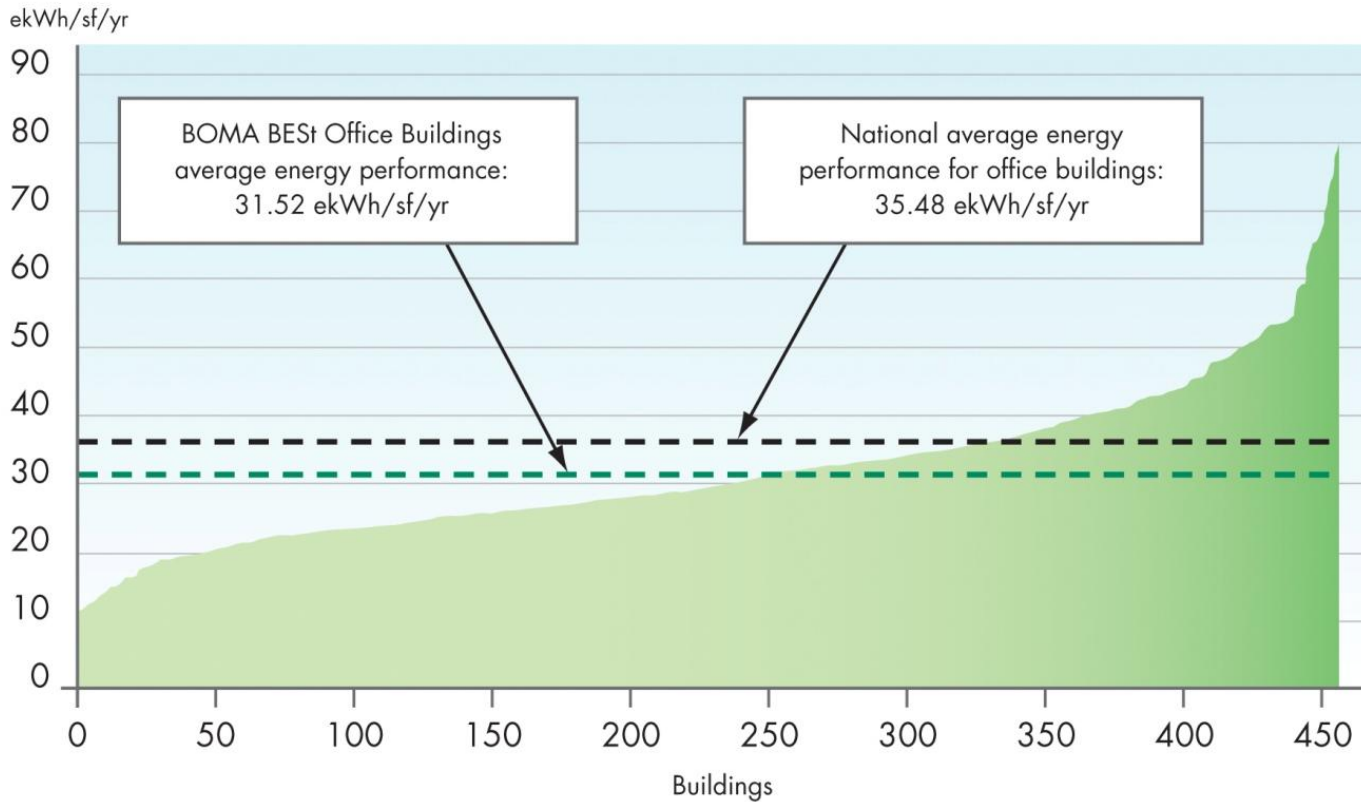
Level 2 – BESt Practices, 70-79% on BB assessment



Level 1 – BESt Practices

# Energy consumption in certified buildings

**Figure 10: ENERGY INTENSITIES OF BOMA BEST CERTIFIED OFFICE BUILDINGS**





# Level 4 certification - performance

- 20 buildings have BOMA BEST Level 4
- Energy performance is key for Level 4
  - Level 4 average – 19 ekWh/sf/yr
  - Level 3 average – 29 ekWh/sf/yr
  - Level 2 average – 33 ekWh/sf/yr



# Level 4 – common factors

- Newer buildings, newer technologies, engaged management, trained operators
  - Triple glazed windows
  - Advanced BAS and flexibility
  - Efficient lighting
  - Training programs for staff
  - Commissioning principles
  - Tenant engagement