

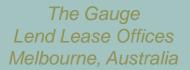


"Green Urban Design Lessons from Around the Globe"

Krista Sprenger March 5, 2009

IN IT FOR GOOD





6 Star Green Star Rated Greenest Building in Australia



## **Lend Lease Overview**

- International Property Company
- Operating for 50+ years
- 38 countries
- 10,000 employees
- 3 key regions
- 5 Core Business Sectors
  - Retail
  - Communities
  - Public Private Partnerships
  - Project Management & Construction
  - Investment Management



### **Sustainability Credentials**



"The time is not far off
when companies
will have to justify
their worth to society...
with greater emphasis
being placed on environmental and social
impact than straight economics."

Dick Dusseldorp (1972)
 Lend Lease Founder

- Best in Class Dow Jones World Sustainability Index
- UN Global Reporting Initiative

#### **Sustainability Aspirations**

- All permanent tenancies carbon neutral
- Targeting zero net water, waste, and carbon for buildings and communities
- All future Lend Lease buildings LEED Platinum NC

# **Lend Lease Projects of Note**





# Sydney Olympics – Sydney, Australia

- A 21st-Century model, green urban mixed-use community, the first "Green Games."
- Initially World's Largest Solar Powered Community
- Housed 15,300 athletes
- 2,000 homes
- 633,000 sf commercial space
- The Olympic Village was refitted as a true green urban mixed-use suburb of now called Newington





Residential Housing, Beffter



## Army Family Housing - Oahu, Hawaii

Army Hawaii truly ushers in a new era of sustainable development in the military housing market.

Concentrating on renewable energy sources and sustainable design solutions translates into a greener environment and conserved resources.

- LEED ND Pilot Project, Stage 1 Certification
- On of the world's largest solar powered community
- An urban plan that preserved hundreds of significant trees and the existing natural environment
- Recycling 90 percent of concrete and asphalt, establishment of a Home Destruction and Salvage Program and a Green Procurement Program
- Home design and amenities that meet Gold Star standards
- SYNERGY, a resident education program targeting resident behavior with the goal of reducing energy consumption
- Curbside recycling in neighborhoods

# **Lend Lease Projects of Note**





#### Bluewater - UK

#### Be Onsite

- Non-profit company established in partnership between BLL with Jobcentre Plus, Construction Skills, the London Development Agency and the Learning and Skills Council
- Provides a long term solution to skills shortages and inner city unemployment by providing training to long term unemployed
- Built on the strong legacy of Touchwood and Bluewater
- Since inception in Jan 2008 has helped 350 people into permanent employment and 1000+ have benefited from training programs
- Goal 3000 people into employment in UK by 2010



# **Lend Lease Projects of**



#### Mawson Lakes – Adelaide, Australia

- Partnership between Lend Lease and the South Australian Government
- Awarded Australia's Best Sustainable Development by the Property Council of Australia – 2008
- A showcase for sustainable developments, synthesizing environmental sensitivity with urban living
- Mawson Transport Hub
  - A transport initiative that combines land use and transport planning while promoting environmental sustainability
- Mawson Center library, classrooms, civic offices, computer center, performance and exhibition space
- Community wide recycled water system
  - An Australian first in terms of size and scope, resulting in a 50% reduction of fresh drinking water usage





Mbwybaterafibe & Edwartiop School







# **U.S.** Drivers for Change:

- Economic Climate Current Stimulus Packages
  - Infrastructure funding
  - Emphasis on green jobs and education
  - Energy Independence
- Legislative Changes
  - Examples:
    - Global Warming Solutions Act 2006
    - Climate Action Team
- Legal Precedent Being Set Progressive States
  - State is enforcing zoning and land use planning requirements on cities and counties. (e.g - CA Attorney General v San Bernardino County)
- Incentives
  - Oregon Business Energy Tax Credit and "fee-bate" program
  - Varied in cities throughout the US e.g. Chicago,
     Seattle etc

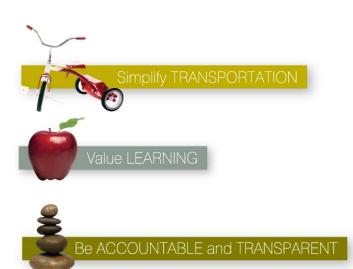


# **Sustainability Commitment**

At Lend Lease Communities, we are committed to creating sustainable communities that positively influence the way people live.

We take a holistic approach that addresses social, economic, and environmental concerns together. To succeed in this goal, we will...









## Horizon Uptown - Aurora, Colorado

- SW corner of I70/E-470 interchange
- Major regional growth corridor (DIA, Fitzsimons, Buckley AFB etc)
- Mixed-use, regional economic hub
- 500 acres
- Up to 4M sq. ft. commercial office
- 11,000+ jobs created
- 1.2M sq. ft. retail
- 3,800 homes
- 60-acres of parks & open space
- LEED ND Pilot Program Participant



## Horizon Uptown- Aurora, Colorado



# **Medium Term Aspirations**

(Corporate and Project):

Zero Net Carbon, Water, & Waste Communities

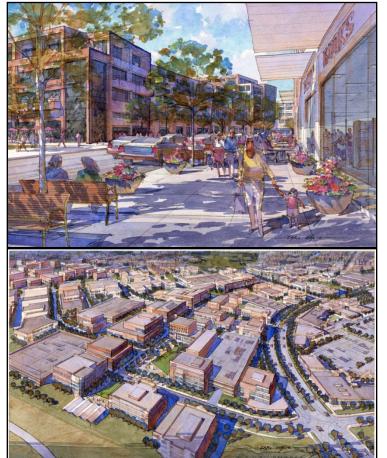


(Horizon Uptown Specific):

- 20-30% reduction in baseline energy use
- 50% reduction in baseline water use
- 50% reduction in construction waste to landfill

## **Design Standards**

- ✓ LEED Platinum NC LL Buildings
- ✓ LEED Gold CS Commercial
- ✓ LEED Silver CS Retail
- ✓ Built Green High Performance Residential



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## **Other Sustainability Initiatives:**

- Environmental Design Advisory Panel
- Sustainability Focused APS Pilot School
- Sustainable Transport Strategy
- Residential Builder Education Program
- Mandatory Building Management Systems for all buildings (measure/report energy & water usage)
- Supply side investigations for utility scale renewable energy underway
- Design of site wide zero waste management plan (for post occupancy)
- Unique sustainability focused community governance structure



