Sustainability Stars Forum Featuring:
The Treehouse, MetroNational
Jersey Meadows, HCFCD
Stonebrook Estates, Terra Visions
Kendall Library, City of Houston

Westin – Memorial City
February 21, 2017
Kendall Library & Community Center

Presented by
City of Houston Council Member David Robinson
Project Summary Information

• **Purpose:**
  - Replacement for aging facility
  - Community Center included to meet the growing needs of the surrounding area

• **Type:** Library & Community Center

• **Status:** Construction Completed
  LEED Silver Certification
Project Summary Information

• Professional Service Providers:
  • English + Associates – Architects
  • Henderson Rogers – Structural
  • Jacobs Engineering – MEP
  • Othon – Civil
  • Asakura Robinson – Landscape
  • Teal Construction – Contractor

• Key Sustainability Elements:
  • LEED Silver
  • Low Impact Development
  • Sustainable Materials
  • Natural Lighting
Project Summary Information

• Why Were Sustainability Elements Included in Project?
  • Better learning environment
  • Improved natural day lighting increases reading test scores by 5%
  • Increased energy efficiency offsets rising utility costs
    • Low-E window glazing
    • Low-slope, cool roof minimizes solar heat gain
  • Durable, sustainable materials decrease facility maintenance costs
  • Water efficient plumbing fixtures
  • Native landscaping
    • Drought resistant and low maintenance characteristics
  • Bioswales naturally filter pollutants from rainwater
  • 42,600 gallon rainwater retention for garden irrigation
Project Summary Information

- **Cost Information:**
  - Total Project Cost = $8,642,800
  - $302 per SF

- **Lessons learned:**
  - We identified shared needs and elements among the stakeholders and used this data to find usage overlaps and efficiencies.

- **LEED NC**
  - 45% Water Use Reduction
  - 85% Construction waste diverted from landfill
  - 36% Recycled Content