

# **Sustainability Stars Forum Featuring:**

**The Treehouse, MetroNational**

**Jersey Meadows, HCFCD**

**Stonebrook Estates, Terra Visions**

**Kendall Library, City of Houston**



# 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





KIMBALL LIBRARY

& COMMUNITY CENTER















