The Los Angeles Community College District
Innovation and Integration

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LACCD Overview
• $2.2 Billion Voter Approved Bond Program
• 9 Colleges, 2 Satellites, 180,000 students
• Progressive Board of Trustees
• Sustainable Commitment – LEED
• Alternative Energy
• Educational Mission

LACCD LEED Program
• 44 New Buildings and Major Remodels
  – LEED – NC and LEED – EB
• 2 New Sustainable Satellite Campuses
  – Adaptive Reuse
  – LEED and BREEAM @ Van De Kamp
• LEED AP on Design Team
• HVAC Commissioning

Centralized Furniture Procurement
• Made from 100% Recyclable Material
• End of Life Return
• No Chrome
• 15 year fully unlimited warranty
• Design, Delivery, Installation Included
• Below Market Prices
• “Piggybackable” by all public entities
• Showroom

Rural Education Asset Partnership (REAP)
• College Redistribution
• E-Surplus all useable items
• All useable items not sold go to the LA Shares – 2600 non-profits in LA area
• No useable items go to landfill
• Transport handled by donee
• Any non-profit entity can participate

Bulk High Volume Fly Ash Concrete Procurement
- Cheaper
- Stronger
- Sustainable
Zero Landfill Policy

- Specified in Construction Contract
- Secondary Market
  - Cardboard / Paper
  - Metal
  - Glass / Plastic

- Manufacturer Take Back
  - Carpet
  - Ceiling Tiles
  - Sheetrock
- Re-Use on Site
  - Wood
  - Concrete / Asphalt
- Mixed Construction and Demolition Debris to Sorting Facility

LACCD Energy Initiative

- Central Plants
  - Efficient / Sustainable
- Performance Contracts
  - Lights, Motors, Occupancy Sensors, etc
  - 3rd Party Funded
- Photovoltaic Installation
  - One Megawatt per college
  - Power Purchase Agreement

- Photovoltaic 3rd Party Arithmetic
  - Federal Energy Credit – 30%
  - Rapid Depreciation – 25%
  - Utility Incentives – 20%
  - Green Tag Sale – 5% (?)
  - Bulk Procurement – 10% (?)
  - 10 Cents on the Dollar !!!

Employment and Training

- E7 (Environment, Economy, Education, etc)
- Intern Program
- At Risk Program
- Apprentice Program
- Contractor Boot Camp
- E7 Studio

Transportation Concepts

- Institutional Metro Student Pass (I-Pass)
- Bicycle Use
- Mass Transit Access
Water Conservation / Treatment

• Low Flow Irrigation – Need based
• No Irrigation
• Waterless Urinals
• Cistern – Water Capture
• Gray Water Systems
• Storm Water Management
• Future – Living Machines

Sustainable Maintenance

• Coatings
• Anti-Graffiti Sealer
  – Paint washes off
  – Helps building weathering
• Tioxoclean
  – Spray on windows
  – Titanium Dioxide creates ozone from sunlight
  – No need to clean windows!

Sustainable Maintenance

• Electric Fleet
  – All Vehicles Electric Powered
  – Recharge from solar cell installation

Sustainable Maintenance

• Solid Waste / Recycling
  – Two Bin System
    • Free Removal
  – Future Concept – Arrow Bio
    • No sortation
    • On-site plant
    • Removes all recyclables
    • Generates energy

Questions?

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