

US EPA ARCHIVE DOCUMENT



LEED Certification Casino/Hotel Resorts

Thomas Keegan
Dry Creek Rancheria

February 2010

592 Rooms

5 Restaurants

100,000 Sq. Ft. Gaming Area

Over \$300million (excluding infrastructure)



Rural River Valley
100 Acres on hillside
Sensitive Habitat



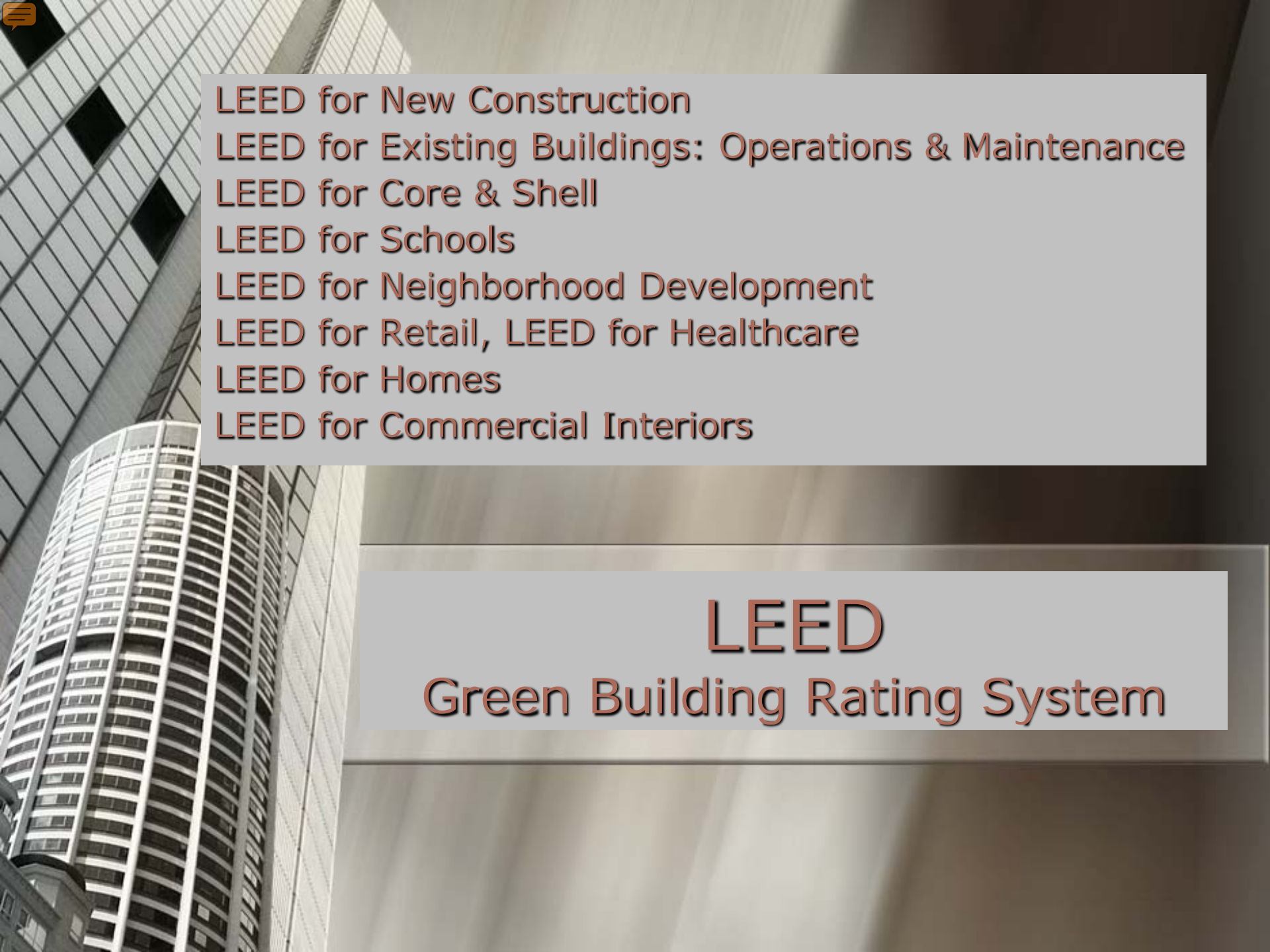
Dry Creek Rancheria
Alexander Valley
Geyserville, California

The background of the slide features a low-angle, upward-looking perspective of several modern skyscrapers with glass facades. The buildings are partially obscured by semi-transparent grey text boxes. In the top-left corner, there is a small orange icon of a speech bubble with a white arrow pointing to the right.

USGBC U.S. Green Building Council

LEED Leadership in Energy and Environmental Design

The sustainable building industry needed a system to define and measure "green buildings."



LEED for New Construction
LEED for Existing Buildings: Operations & Maintenance
LEED for Core & Shell
LEED for Schools
LEED for Neighborhood Development
LEED for Retail, LEED for Healthcare
LEED for Homes
LEED for Commercial Interiors

LEED

Green Building Rating System



GBCI Green Building Certification Institute

Annual U.S. market in green building products and services:

2005 \$7 Billion

2007 \$12 Billion

2010 \$60 Billion (projected)

LEED Green Building Rating System



NEW CONSTRUCTION

First Step: LEED Registration

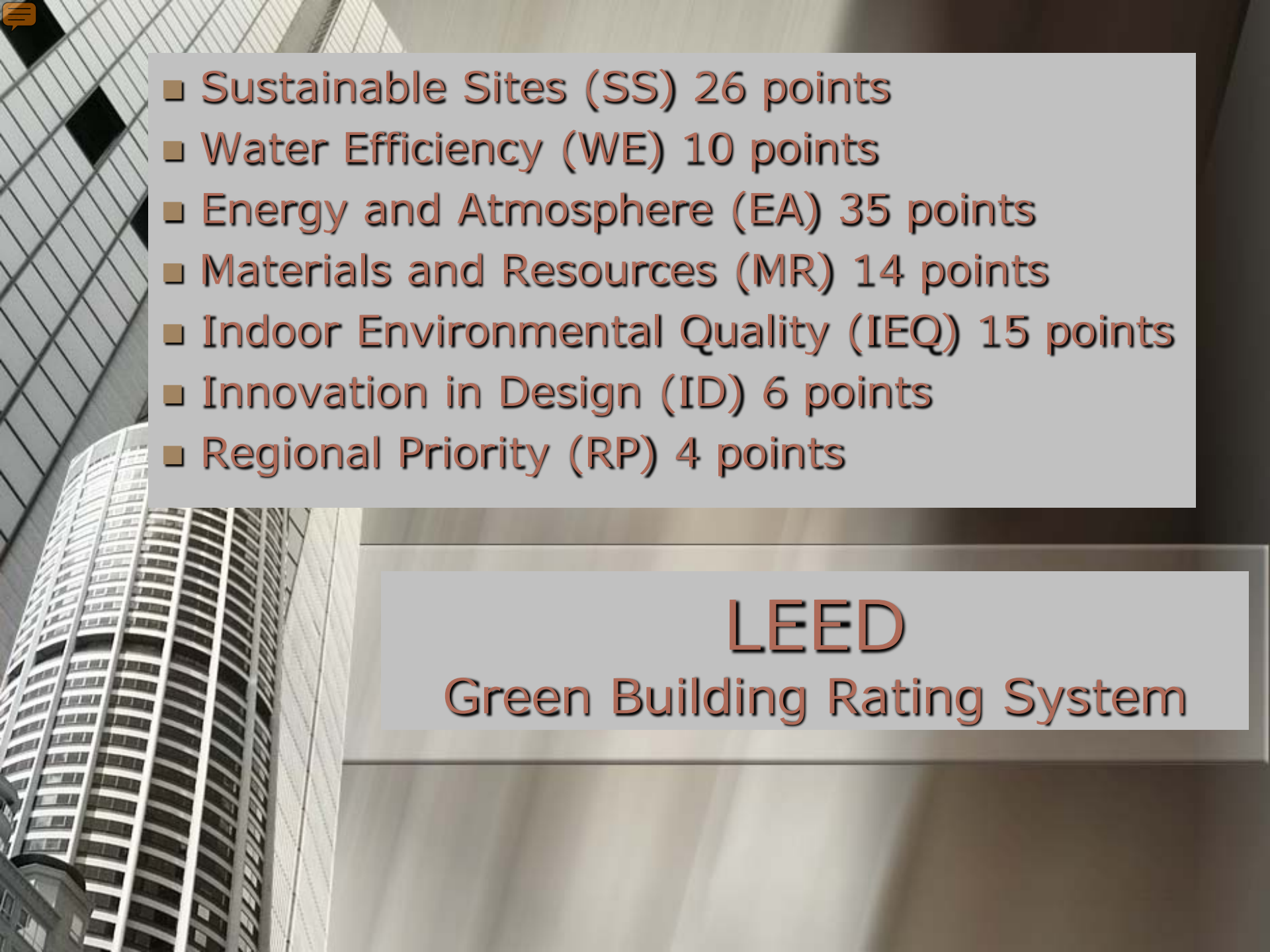
Second Step: LEED Certification

A) Design Phase

B) Construction Phase

LEED

Green Building Rating System

- 
- Sustainable Sites (SS) 26 points
 - Water Efficiency (WE) 10 points
 - Energy and Atmosphere (EA) 35 points
 - Materials and Resources (MR) 14 points
 - Indoor Environmental Quality (IEQ) 15 points
 - Innovation in Design (ID) 6 points
 - Regional Priority (RP) 4 points

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Green Building Rating System



100 base points; 10 Extra Credit

Certified 40–49 points

Silver 50–59 points

Gold 60–79 points

Platinum 80 points and above

LEED

Green Building Rating System



RESORT ELEMENTS:
CASINO
HOTEL
LOBBY
OFFICES
RESTAURANTS
BARS
RETAIL
SHOWROOM
POOL
PARKING

CHALLENGES
CASINO/HOTEL RESORTS



IEQ Prerequisite 2: (Required)
Environmental Tobacco Smoke (ETS) Control

EA Prerequisite 2: (Required)
Minimum Energy Performance

CHALLENGES
CASINO/HOTEL RESORTS



QUANTITATIVE ANALYSIS

MITIGATE POTENTIAL IMPACTS

LONG TERM COST SAVINGS

**LEED Certification
BENEFITS**



LEED Certification BENEFITS