

2016 Orange County Infrastructure Report Card

Presented to
Orange County Waste Management Commission
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Overview and Purpose

Joint Venture Between American Society of Civil Engineers (ASCE) and University of California - Irvine (UCI) to evaluate Orange County's Infrastructure.

Promote the importance of infrastructure maintenance and improvements.

Educate the public and policy makers on funding needs, policy decisions, and long term planning for future generations.

2016 Orange County Infrastructure Report Card

UC Irvine CEE Affiliates



The Importance of Infrastructure

- Quality of Life
- Growing Population
 - Orange County Population: 3.1 million
 - 20 year projection: 300,000 add'l residents
- Economic Growth
 - > 20 year projection: 250,000 new jobs
 - > Tourism
- Public Safety
 - Natural Disasters
- Protection of the Environment
- Aging Infrastructure





Infrastructure Evaluated

- Aviation
- Electric Power
- Flood Control and Levees
- Ground Transportation
- Natural Gas
- Oil
- Parks, Recreation, and Environment
- Schools
- Solid Waste
- Surface Water
- Wastewater
- Water Supply











Methodology
Condition, Capacity, Operation & Maintenance, Security & Safety.
Grades Assigned A thru F.
Working Committee
Solid Waste Working Committee: OCWR staff and Industry Experts
Expert Advisory Group (EAG)
Solid Waste EAG: Industry Experts and Regulators
Executive Committee
ASCE National Committee
Goal: Achieve Minimum Grade of B.



















