



California Integrated Waste Management Board

## Recycling and Waste Management Infrastructure Project

Zone Works Workshop - October 30, 2009



**R·W·BECK**

**Mind Powered:** Insight with Impact.

# Infrastructure Project Goals

- Inventory all disposal and recycling facilities
- Model future flows and capacity gaps
- Provide tools to help evaluate policy & planning scenarios
- Public Web access to data by June 2010



# How Could the Project Benefit You?

- Quick Access to CIWMB Information on Facilities
- Consideration of Regional Approaches
- Evaluation of Future Facility Needs
- Evaluation of Potential Impacts of Policies and Programs
- Consideration of Recycling Market Development Opportunities



# Goals for Today

- Quick Overview of the Project
- Focus on Data Gathering
  - Approach
  - How You Can Help
- Next Steps



# Project Status



- Developed preliminary approach & website:  
<http://www.ciwmb.ca.gov/Infrastructure/Project/>
- Completed User Needs Assessment
- Refined Project Design
- Current Focus:
  - Website and Model Programming
  - Data Gathering & Management

# Facility Inventory



- Consolidates different types of solid waste data at one website - one stop shopping
- Provides information on all disposal and recycling facilities - Board permitted and non-permitted
  - Name, location and contact info
  - Materials handled - input and output
  - Total throughput and maximum capacity in ranges
  - Mapped layers (category, county summary, etc)
  - User searchable and downloadable data



# Capacity Projection Model

- Projects waste disposal by county through 2025
- Allows evaluation of user-defined scenarios:
  - Redirect Future Disposal to Diversion by Material
  - Redirect Organics to New Fuel/Energy Facilities
  - Elimination of ADC
  - Collapse of Export Markets
- Outputs summary of flows and capacity needs & gaps
- Public website tool with limited functionality
  - County or Statewide Only; Limited Scenarios
- Board Staff Excel Model with Robust Functionality
  - Any County; Pre-Defined Regions or Statewide; All Scenarios



# Data Gathering Process

- Step 1: Start with CIWMB Data
- Step 2: Add External Published Sources
- Step 3: Consult Industry Professionals
- Step 4: Develop Preliminary Estimates for All Key Data Gaps
- Step 5: Up Load to Board Database
- Step 6: Facility Verification/Correction
- Step 7: Final QA/QC





# How Can You Help?



- Who in Your County is the Best Contact to Review a List of Local Facilities and Preliminary Data? (LEA? Solid Waste Director?)
- Are You Aware of Any Written Sources of Information/Data on Facilities in Your County?
- Let us Know Your Concerns and Suggestions
- Support & Help Promote the Project; Use the Web Site!

# Timeline

- Program Databases, Model & Website – Thru May '10
- *Engage Industry Professionals – Through Nov '09*
- Develop Estimates/Fill Gaps – Nov - Dec '09
- *Facility On-Line Verification – Jan - Feb '10*
- Advisory Committee Review – March ' 10
  - Preliminary Information, Model Results and Web Prototype
- Website roll-out – May '10



# Other Questions or Suggestions?

David Gregory, R.W. Beck

407-648-3571

[dgregory@rwbeck.com](mailto:dgregory@rwbeck.com)

Ed Boisson, R.W. Beck

415-499-0919

[eboisson@rwbeck.com](mailto:eboisson@rwbeck.com)

Chris Schmidle, CIWMB Contract Manager

916-341-6643

[cschmidle@ciwmb.ca.gov](mailto:cschmidle@ciwmb.ca.gov)



# Commercial Recycling Cost Study



- Timeline

- *Data Gathering - Jul '09 through Oct '09*
- Commercial Diversion Calculator - Dec '09
- Draft Final Report for TAC Review - Mar '10
- Final Report - Jun '10

# CIWMB Commercial Recycling Cost Study



- Janelle Auyeung, CIWMB Contract Manager
  - 916-341-6218 [jauyeung@ciwmb.ca.gov](mailto:jauyeung@ciwmb.ca.gov)
- Rob Hilton, HF&H Consultants
  - 925-977-6959 [rchilton@@hfh-consultants.com](mailto:rchilton@@hfh-consultants.com)