



# VEHICLE ATTRIBUTES

California Energy Commission

Request for Proposals

RFP # 600-12-602

Pre-Bid Conference

Date: November 30, 2012



# Proposal Requirements

## Required Format For A Proposal

- ❖ Consists of Two Volumes
  - VOLUME 1
    - Section 1 - Administrative Response
    - Section 2 – Technical Response
  - VOLUME 2 – Cost Proposal



# Volume 1, Section 1 Administrative Response

Each Bidder must complete the following and include in Volume 1, Section 1:

- Cover Letter
- Table of Contents
- Contractor Status Form
- Small Business Certification (if applicable)
- Darfur Contracting Act Form
- Completed DVBE Forms – Std. 843 and GSPD-05-105
- Signed Contractor Certification Clauses



# Volume 1, Section 1 Administrative Response

- Target Area Contract Preference Act (TACPA) Request Forms *(if applicable)*
- Enterprise Zone Act (EZA) Preference Request Forms *(if applicable)*
- Local Agency Military Base Recovery Area (LAMBRA) Act Forms *(if applicable)*



# Volume 1, Section 2 Technical Response

Each Bidder must complete the following and include in Volume 1, Section 2:

- Approach to Tasks in Scope of Work
- Organizational Structure
- Relevant Experience and Qualifications
- Labor Hours by Personnel and Task
- Client References
- Hypothetical Questions
- Previous Work Products



### **Volume 2 – Cost Bid** **(Sealed Separately From Volume 1)**

Every Bidder must complete the following budget forms found in Attachment 7 of the solicitation and include in Volume 2:

- Task Summary – Att B-1
- Category Summary - Att B-2
- Prime Labor Rates -Att B-3
- Labor Rates for each Subcontractor - Att B-3a-z
- Prime Non-Labor Rates - Att B-4
- Non-Labor Rates for each Subcontractor - Att B-4a-z
- Direct Operating Expenses - Att B-5



## Small/Micro Business and Non-Small Business Preference

- Small Business Preference – Certified Small Businesses or microbusinesses can claim the five percent preference when submitting a proposal. See RFP, page 33 and Attachment 3.1 for more information.
- Non-Small Business Preference – Bidders that commit to small or micro business subcontractor participation of 25% of net bid price shall receive the five percent preference. See RFP, page 33 Attachment 3.1 for more information.



# Disabled Veteran Business Enterprise (DVBE) Requirements

This RFP is subject to full DVBE participation goal of three percent (3%).

- Bidder shall commit to meet or exceed the DVBE participation requirements by either of the following methods:
  - Method 1 – Bidder is a Certified DVBE and commits to performing at least 3% of the contract bid amount.
  - Method 2 – Bidder commits to using a Subcontractor that is a certified DVBE for at least 3% of the bid amount.



# DVBE Incentive Program

The DVBE Incentive Program gives a contractor an opportunity to improve their bid status based on the efforts attained from the DVBE Participation Program. See RFP, page 32 and Attachment 3.1 for more information.

- The incentive computation is only applied during the evaluation process and only to responsible Bidders.
- The incentive amount for awards based on low price are as follows:
  - Participation of 3.01% - 4.99% = 1%
  - Participation of 5% or more = 2%



# Tentative Key Activities and Dates

RFP Release	11/19/2012
Deadline for Written Questions *	11/30/2012
Pre-Bid Conference *	11/30/2012
Distribute Questions/Answers and Addenda (if any) to RFP	12/05/2012
<b>Deadline to Submit Proposals by 3:00 p.m. *</b>	<b>12/21/2012</b>
Clarification Interviews (If necessary)	12/26 – 12/28/2012
Notice of Proposed Award	12/28/2012
Commission Business Meeting	02/13/2012
Contract Start Date	03/15/2012
Contract Termination Date	06/30/2016



# Program Overview

## Fuels and Transportation Division

- Biennial Integrated Energy Policy (IEPR) Reports for the governor and legislature, including:
  - Long term forecasts
  - Policy Analysis
  - Cost Benefit Analysis
- Policy Analysis separate from the IEPR
- Processing Ad hoc Information Requests

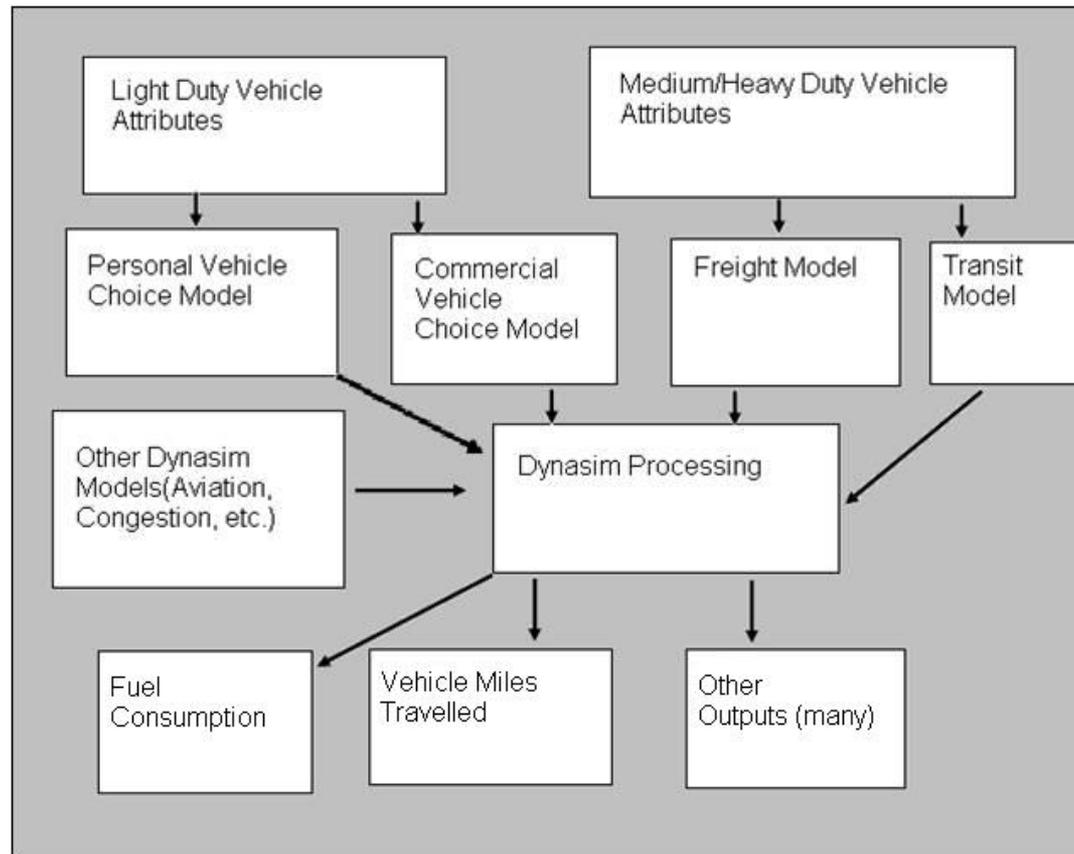


# Vehicle Attributes Contract Background

- Personal Vehicle Choice and Commercial Vehicle Choice are Vehicle Demand models used by CEC
- CEC does not have a vehicle supply model; hence vehicle attribute and offering forecasts are needed
- CEC currently uses contractor services to provide these forecasts



## Role of Vehicle Attributes in CEC Dynasim model





# Purpose of Contract

- Provide supply-side forecasts to serve as inputs into the Dynasim fuel demand models
- Critical component of the Integrated Energy Policy Reports
- Fuel price, economic, and policy scenarios over the 2013 to 2035 time period will be incorporated
- Will be used for analysis of AB 32, AB 118, and other enacted or proposed policies



# Scope of Work

Task #	Task Name
1	Agreement Management
2	2013 IEPR Historical Vehicle Attribute Data Worksheet and Forecast Vehicle Technologies Worksheet
3	2013 IEPR Vehicle Attribute Forecast Worksheet and Market Analysis Worksheet
4	2013 IEPR Vehicle Attributes Report and Presentation
5	2015 IEPR Historical Vehicle Attribute Data Worksheet Update, Vehicle Technologies Worksheet Update, and Market Analysis Worksheet Update
6	Staff Training
7	2015 IEPR Vehicle Attribute Forecast Worksheet, Presentation, and Vehicle Attributes Report



# Historical Vehicle Attribute Worksheets

- Vehicle Class level data is needed
- Make and model level data is needed
- Vehicle classes will be provided by CEC
- 1992 to 2011 data needed
- Contractor shall account for any discrepancies between this deliverable and historical data from other sources
- Contractor shall provide a 2015 update



# Vehicle Technologies Worksheet

- Obtain Vehicle Manufacturer Technology updates
- Analyze costs and fuel economy benefits of additional vehicle technologies
- Explain how these will be connected to the forecasts
- Explain criteria for how model will forecast supplier behavior in response to technology updates (whether manufacturers will offer these technologies)
- Document data sources
- Provide 2015 update.



# Market Analysis Worksheet

- Plans to incorporate current and new vehicle technologies from 2012 to 2035
- Anticipated vehicle classes and models that manufacturers will sell from 2012 to 2035 for light, medium, and heavy duty vehicles
- Total lifetime vehicle and operating cost to the consumer or fleet user for each type of technology
- Document data sources
- Provide 2015 update. Compare actual 2013-2014 technologies with 2013 worksheet



# Forecast Vehicle Attribute Worksheets

- Vehicle Class level data is needed
- Vehicle classes will be provided by CEC
- 2011 to 2035 data is needed
- Documentation, explanation, and validation of forecasting methodology is needed
- 2015 update incorporating 2013-2015 events will be needed



# Staff Training

- Train CEC staff on methodology and equations used to provide forecasts
- Provide CEC staff with all equations and model inputs used in vehicle attribute forecasts
- Train CEC staff to, using these equations and inputs, independently replicate model results
- Software Purchases are not within the scope of this contract
- Confidentiality Requests shall be submitted with proposals. The proposals themselves shall not be deemed confidential. Any information not deemed confidential may be released to the public.



# Vehicle Attributes Reports

- Details of how forecasts are affected by different scenarios
- Validation Process
- Expected availability and market penetration schedules of alternative fuel vehicles
- Limitations of forecasts
- Costs, Fuel Savings, and Payback periods of fuel efficiency technologies and alternative fuel vehicles compared
- Report will be needed in 2013 and 2015



# Public Workshop Participation

- Model explanation easily understandable by a lay member of the public
- Explanation of how recent events and legislation such as federal fuel economy regulations, recent economic changes, and the Low Carbon Fuel Standard (LCFS) are incorporated
- Responses to questions and criticisms from workshop participants



# 2013 IEPR Critical Deadlines

Deliverable	Due Date
<ul style="list-style-type: none"><li>2013 IEPR Draft Forecast Vehicle Technologies Worksheet</li></ul>	April 5, 2013
<ul style="list-style-type: none"><li>2013 IEPR Final Forecast Vehicle Technologies Worksheet</li></ul>	April 12, 2013
<ul style="list-style-type: none"><li>2013 IEPR Draft Forecast Vehicle Attribute Worksheet</li></ul>	April 19, 2013
<ul style="list-style-type: none"><li>2013 IEPR Final Forecast Vehicle Attribute Worksheet</li></ul>	April 30, 2013
<ul style="list-style-type: none"><li>2013 IEPR Draft Market Analysis Worksheet</li></ul>	May 17, 2013
<ul style="list-style-type: none"><li>2013 IEPR Final Market Analysis Worksheet</li></ul>	May 28, 2013
<ul style="list-style-type: none"><li>Draft 2013 IEPR Vehicle Attributes Report</li></ul>	July, 2013
<ul style="list-style-type: none"><li>Final 2013 IEPR Vehicle Attributes Report</li></ul>	November, 2014



# Questions and Answers

Question and Answer Session



# Whom to Contact?

Phil Dyer

California Energy Commission

1516 Ninth Street, MS-18

Sacramento, CA 95814

(916) 654-4651

(916) 654-4423 (fax)

[pdyer@energy.state.ca.us](mailto:pdyer@energy.state.ca.us)