



## **SACOG Board of Directors**

September 10, 2008

### **Greenhouse Gas Regional Inventory Protocol**

**Issue:** As the California Air Resources Board moves toward implementation of AB 32, local and regional agencies will be asked to find ways to help reduce the state's overall greenhouse gas emissions. SACOG has the opportunity to be on the forefront of implementing the actions outlined in ARB's Draft Scoping Plan, and go beyond the ideas outlined in the Community Protocol, one of ARB's calls for action.

**Recommendation:** The Climate & Air Quality Committee unanimously recommends that the Board authorize the Executive Director to execute a contract not to exceed \$40,000 with Dr. Sebastian Carney for the development of a regional greenhouse gas inventory and scenario formation exercise.

**Committee Action/Discussion:** The Greenhouse Gas Regional Inventory Protocol (GRIP) developed by Dr. Sebastian Carney with the Tyndall Institute in Manchester, England is a tool and methodology for taking data of various levels of detail and aggregating them into a regional greenhouse gas inventory. Future year scenarios are then formed, measuring change in emissions. As the inventor of the tool and methodology, Dr. Carney is uniquely qualified to lead a similar effort in the Sacramento region. He has worked in several regions throughout the European Union, and is starting the process of conducting a Union wide analysis.

The attached "GRIP Scope of Work" outlines the steps necessary to use the model in the Sacramento region. This includes gathering data from various sources, including inventories either finished or under way around the region, creating regional and jurisdictional inventories, conducting workshops, and generating regional and jurisdictional outputs.

SACOG staff has had initial conversations with local and partner agency staff, including Sacramento County, the City of Roseville, Yolo County, SMUD, and PG&E, and will continue to meet in order to collaborate on similar efforts and ensure that work is not duplicated around the region.

The funds for this project are included in the amendment to the Overall Work Program in this month's agenda.

Approved by:

Mike McKeever  
Executive Director

MM:GG:RP:gg  
Attachment

Key Staff: Gordon Garry, Director of Research & Analysis (916) 340-6230  
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## GRIP Scope of Work

## Part 1: Data Collection

Consultant will work with SACOG staff to identify the availability and level of detail of existing data.

## Part 2: Forming the Inventory

Consultant will work with SACOG staff to form the regional and jurisdictional greenhouse gas inventories from available data.

Deliverable: An inventory for the SACOG region and each jurisdiction as far as data permits.

## Part 3: Populating the Scenario tool

Consultant will use the inventory created in Part 2, plus any necessary supply data (i.e. electricity production methods used in the region), and populate the GRIP scenario tool.

## Part 4: Running the Scenario sessions

Consultant will conduct three (3) scenario formation workshops with representatives from the various sectors around the region. Consultant will supply a scribe to transcribe workshop proceedings.

Deliverable: A set of scenarios for the SACOG region

## Part 5: Final Report

Consultant will generate a final report to be distributed at project completion with details on regional and jurisdictional level findings.

Deliverable: A report on the inventory and scenarios for the SACOG region with a breakdown of each jurisdiction.

<b>Task</b>	<b>Days – Date Range</b>	<b>Person</b>	<b>Cost</b>
Inventory formation	3 – Oct 1 to Oct 15	Sebastian Carney	\$6,000
Scenario tool population	2 – Oct 16 to Oct 31	Sebastian Carney	\$5,000
3 x Scenario workshops	3 – Nov 1 to Nov 15	Sebastian Carney Consultant	\$6,000 \$4,500
Write up Report 5	5 – Nov 15 to Dec 31	Consultant	\$6,500
Brochure	5 – Nov 15 to Dec 31	Consultant	\$4,500
Travel	8 – Oct 1 to Nov 15	Sebastian Carney	\$6,000
	2 – Oct 1 to Nov 15	Consultant	\$1,500
<b>TOTAL</b>			<b>\$40,000</b>