

9th Semi-Annual Report: The Early Action Compact for the San Antonio Region

June 2007

Prepared by the Alamo Area Council of Governments

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Abstract: Protocol for the Early Action Compact (EAC) stipulates that areas participating in the compact will assess and report their progress against milestones every six months. This report contains the progress made towards the required milestones for the San Antonio EAC region (SAER) from January 2007 through June 2007. Several milestones were accomplished during this timeframe. Emission Inventory (EI) and modeling milestones include updated to the 2005 EI, geo-coding of these emissions, updates to the 1999 photochemical model base case, and emissions control strategy modeling. Progress of the Alamo Clean Air Partnership, Clean Cities, Adopt A School Bus program, and Transportation Emissions Reductions Measures (TERMs) projects met milestones for voluntary and State Implementation Plan (SIP) credit control strategies for the San Antonio region. Additional public outreach efforts include media related services, presentations, events, and the distribution of outreach materials. Maintenance of growth and air quality planning milestones were met in the SAER by continued efforts in emissions assessments and analysis of new strategy requirements, such as additional emissions reduction measures. Attached to this report are Appendices for Outreach Efforts, TERMS projects, a list of new major point source air permits in or around the EAC region, 2005 EI progress, and a progress report regarding EAC milestone achievements.		
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Executive Summary

As required by the Early Action Compact (EAC), areas that are participating in this early voluntary 8-hour air quality planning process must assess and report their progress in achieving EAC milestones on a regular basis, through a public process, at least every six months or semi-annually. This document fulfills these requirements for the ninth semi-annual (January through June 2007) period for the San Antonio EAC region.

Emissions Inventory (EI) and modeling progress for the reporting period include continued development of the 2005 EI (as required for emissions trend analysis), updates to the 1999 photochemical model base case, and control strategy analyses. In meeting this milestone, emissions were estimated and geo-coded for 2005 emissions inventory sources according to Environmental Protection Agency (EPA) approved methodologies. These emissions included area, nonroad, and military sources. In addition, methodologies were refined to include more local data and additional source categories when either became available. Emissions control strategy modeling included analyses on plug-in hybrids and the use of a heavy-duty diesel vehicle (HDDV) anti-idling ordinance in the City of San Antonio (CoSA). In addition, an evaluation of on-road air quality control strategies was conducted comparing Stage II vapor recovery systems, NOx Highway Rule, and the California LEV II standard.

Continued progress of control strategies creditable within a State Implementation Plan (SIP) context include progress in the Texas Emissions Reduction Plan (TERP) and Transportation Emission Reduction Measures (TERMs) projects. The Texas Commission on Environmental Quality (TCEQ) opened an application period for TERP projects for the fiscal year (FY) 2007 2nd round, during April and May 2007. The completion dates for TERMS projects were updated or added where applicable by Alamo Area Council of Governments (AACOG) staff. TERMS projects listed in the original March 2004 submission of the local revisions to the SIP were to be completed by December 31, 2007. The TERMS list is reviewed on an ongoing basis to determine where new projects should be substituted in the event projects are not anticipated to complete by December 31, 2007.

Voluntary control strategy development continues with progress marked by the Alamo Area Clean Cities (AACC) program, Alamo Adopt A School Bus program, and the Alamo Clean Air Partnership (ACAP) program. AACOG staff conducted a Compressed Natural Gas (CNG) workshop in February. On May 31st San Antonio City Council voted and approved the purchase of 15 CNG-powered refuse trucks. Staff also hosted a meeting by the City of San Antonio Police Department Ground Transportation Unit to discuss the proposed hybrid taxi ordinance; this ordinance would work in coordination with the TCEQ's "Texas Green & Go" Partnership. The city council subsequently passed the hybrid taxi ordinance on May 17, 2007.

AACOG staff continued to promote the Alamo Adopt A School Bus program with updates to the Green Patrol program. The program officially began on April 5, 2007 with 161 parents and teachers pledging to refrain from idling their vehicle engines. AACOG outreach staff continued to actively seek new partners for participation in the ACAP program. The partnership list now includes 23 local entities dedicated to improving air quality in the San Antonio region. AACOG staff updated the "Take Out Air Pollution" and Clean Air Drive programs with new interactive webpages. The concept of a Clean Air Gauge was included on the Clean Air Drive webpage to visually display where the EAC region currently stands in meeting federal air quality standards.

Public involvement and outreach continues to be an important component of the San Antonio regional Clean Air Plan. Air quality information is disseminated to the public through a variety of media categories -- newspaper, Internet, TV, and radio -- in order to reach as large and diverse

an audience as possible. The public involvement milestone is also advanced through local programs and events in which the public is informed of air quality issues, health consequences, and measures that reduce air pollution. AACOG staff along with Chamber of Commerce representatives introduced a seminar series called the Business of Air. The first seminar in this series was held in May and focused on the essentials of air quality as it relates to the business community; how ozone is formed, relevant air quality rules, San Antonio's current status and, in broad strokes, likely policy impacts should the region be declared non-attainment under federal 8-hour average ozone air quality standards. In addition, the Commute Solutions program is improving the rideshare matching system by switching to a web-based system called Greenride. A four-year contract was signed for services in San Antonio, New Braunfels, San Marcos, and Austin areas.

Under the heading of Maintenance for Growth, local air quality planners are working to ensure the attainment of the eight-hour average ozone (8-hour ozone) National Ambient Air Quality Standard (NAAQS) by reviewing growth and emissions inventory patterns to determine the projected status of the region. At this time, it is unsure as to whether the SAER will be in attainment by the end of 2007. As specified in the New Strategy Requirements milestone, local air quality planners are investigating possible measures to ensure San Antonio reaches attainment.

The San Antonio region has successfully maintained steady progress in accomplishing EAC milestones from January to June 2007, ensuring proper development of the Clean Air Plan.

Chapter 1 – Introduction

The Early Action Compact protocol is designed to guide development and implementation of control strategies, including planning for near-term growth, in order to achieve and maintain the 8-hour ozone standard. This compact offers a timeline with a more rapid timeframe for achieving emission reductions than the EPA 8-hour implementation rulemaking¹, while providing "fail-safe" provisions for the area to revert to traditional nonattainment processes if specific milestones are not met. The EAC agreement signed by the EPA, the Texas Commission on Environmental Quality (TCEQ), and local elected officials is available online at: <http://www.aacog.com/cap/>.

As required by EAC guidance, areas participating in early voluntary 8-hour air quality plans must assess and report their progress in achieving EAC milestones in a regular, public process every six months. This document will fulfill the requirement for the ninth semi-annual progress report written for the San Antonio EAC.

The milestones in this report which are described in the EAC are:

- Completion of and updates to emissions inventories as outlined in section b), Emissions Inventory;
- Completion of and updates to modeling as outlined in section c), Modeling;
- Post-attainment demonstration and plan updates as outlined in section e), Maintenance for Growth;
- Continued public involvement in the planning process which will be conducted as outlined in section f), Public Involvement. This is in addition to the public reporting conducted at least once every six months, as outlined above.

¹ Federal Register / Vol. 68, No. 105 / Monday, June 2, 2003 / Proposed Rules; 40 CFR Part 51; Proposed Rule To Implement the 8-Hour Ozone National Ambient Air Quality Standard; see "2. What Is the 'Early Action Compact' for Implementing the 8-Hour Ozone NAAQS," page 32859. Available online: <http://www.epa.gov/fedrgstr/EPA-AIR/2003/June/Day-02/a13240.pdf>

Chapter 2 – Early Action Compact Milestones

The Early Action Compact (EAC) specifies milestone requirements and delivery dates based on the EAC Memorandum of Agreement (MOA).² The milestones are addressed in the sections that follow.

2.1 Emissions Inventory Milestones

The ongoing analysis of emissions in the San Antonio EAC Region (SAER) is an essential element in the maintenance of the Emissions Trend Analysis milestone of the Clean Air Plan. AACOG staff continues to develop the 2005 EI and has calculated emissions estimates for many area and nonroad source categories during the 6-month reporting period of this report. These included:

Area Sources

- Accidental Releases
- Agricultural Defoliant
- Architectural Surface Coating
- Asphalt Paving
- Breweries
- Commercial Cooking
- Degreasing
- Small Stationary Source Fossil Fuel Use
- Traffic Markings
- Wineries

Nonroad Sources

- Industrial Equipment
- Commercial Equipment
- Construction Equipment – Heavy Highway, Utility, Municipal, Commercial Construction, Residential, City/County Roads, TxDOT, Scrap Recycling, Landscaping, Brick and Stone, Trenches, Concrete, Skid Steer Loaders, Special Trade, Cranes, RT Forklifts, Municipal and County Operations, Manufacturing, Bore/Drill Rigs, Other, Agriculture, Pipeline, Toyota Manufacturing Facility
- Agricultural Equipment

Airport/Military Sources

- Completed all Military Bases

The 2005 Emissions Inventory described in this section is a deliverable to the TCEQ under the current biennial contract; the draft copy of the EI is due to TCEQ by August 2007.

2.1.1 New Methodology for Area or Nonroad Source Emission Calculations

This section describes emission calculation methodology for any new categories that have been added since the AACOG 2002 EI or existing categories for which the methodology has been improved upon.

² Chapter V. Early Action Compact Memorandum of Agreement (MOA); available online: <http://www.aacog.com/cap/CAP2002.html#5>

Construction Equipment

To calculate San Antonio's construction equipment population, surrogate factors were used to adjust Dallas equipment populations calculated in an Eastern Research Group (ERG) study.³ This methodology was also used in previous studies conducted by ERG for the CAPCOG and Dallas/Fort Worth regions. To determine surrogate factors for the AACOG region, the Dallas data was divided into industry sectors that facilitated comparisons of industry trends and other data closely related to equipment populations. After emissions were calculated, the results were spatially allocated according to the following table.

Table 1. Spatial Allocation Surrogates for Construction Equipment Geocode

Sector	Spatial Allocation Methodology
Heavy Highway	TxDOT and MPO Construction Dollar Value
Utility	CPS, BexarMET, and SAWS Construction Dollar Value
Commercial Construction	COSA and Bexar County Com. Building and Demolition Permits
Residential	COSA and Bexar County Residential Building Permits
City/County Roads	COSA and Bexar County Road Dollar Value
TxDOT	TxDOT and MPO Construction Dollar Value
Scrap Recycling	Scrap and waste Materials Employment
Landscaping	EPA Default
Brick and Stone	Related construction materials Employment
Concrete	Block, brick, other, and ready-mix Employment
Special Trade	COSA and Bexar County Commercial Building Permits
Municipal and County-Op. Eq.	COSA and Bexar County Road Dollar Value
Manufacturing	Manufacturing Employees
Other	Total Construction Dollar Value
Agriculture	Location of Crops
Toyota Manufacturing Facility	Location of Toyota Manufacturing Facility

Commercial Cooking (New Source Methodology)

Commercial cooking emissions were estimated based on the type of equipment typical for each restaurant. The restaurants fell into categories: Ethnic, Family, Fast Food, Seafood, Steak, & BBQ. The number of restaurants per category was determined for each type of cooking equipment. Multiplying the total number of the type of cooking equipment per county by the average pounds of meat cooked on that type of equipment per week yielded the total tons of the type of meat per week. The total ton of meat is then multiplied by the appropriate emission factor per type of meat to estimate the annual tons of emissions released per type of meat. The total annual emissions per type of meat are summed to obtain the total annual emissions from commercial cooking for each county.⁴

³ Eastern Research Group, Inc. August 31, 2005. Ozone Science and Air Modeling Research Project H43T163: *Diesel Construction Equipment Activity and Emissions Estimates for the Dallas/Ft. Worth Region*. Austin, TX 78731.

⁴ E.H. Pechan & Associates. December 2003. *Methods for Developing a National Emissions Inventory for Commercial Cooking Processes: Technical Memorandum*. El Dorado, CA.

2.2 Modeling Milestones

The photochemical model is a valuable tool available to air quality planners interested in understanding and reducing ground-level ozone concentrations. The photochemical model is a computer simulation of the formation and movement of ground-level ozone. Performing on-going modeling updates ensures that planners have the most accurate modeling data required for air quality planning activities. These updates may come in the form of refinements to past emissions inventories, creation of new emissions inventories for more recent years than the inventories used in past episodes, and continuing updates to the Conceptual Model.

2.2.1 Photochemical Model Updates

The 1999 photochemical model base case updates include the geo-coding of 2005 EI emissions; Appendix E contains the schedule for 2005 EI emission source geo-coding. The sources that were geo-coded during the July – December 2006 reporting period include the following:

- Military Bases
- Railroads
- Commercial Equipment
- Industrial Equipment
- Construction Equipment
- Agricultural Pesticides
- Agricultural Fertilizer
- Agricultural Defoliate
- Agricultural Equipment
- Degreasing
- Projecting On-Road mobile emissions to 2005 and 2012 from 2007

2.2.2 Emissions Control Strategy Modeling & Analysis

The AIR Executive/Advisory committees requested that several emissions control strategies be analyzed for possible reductions of 8-hr average ozone levels in the SAER. These strategies included the use of plug-in hybrids and a heavy-duty diesel idling ordinance. An analysis was also conducted comparing several on-road control strategies.

Heavy-duty Diesel Anti-idling Ordinance

Staff analysis shows that the implementation of an Anti-idling Ordinance could reduce emissions of VOC and NO_x by 146 tons/yr (0.4 tons/day) and 474.5 tons/yr (1.30 tons/day), respectively, in the San Antonio region. The analysis was based on an idling limit of five minutes for heavy duty vehicles during their operation within Bexar County.⁵

Evaluation of On-road Air Quality Control Strategies

Evaluations of various air quality control measures were conducted as requested by AIR committee members. The report concluded that all studied measures were anticipated to have various degrees of positive impacts on the air quality of AACOG region.

- Implementation of Stage II vapor recovery could generate 78% emission reduction if the plan is implemented in 1 year in 2007. This control measure becomes less effective as more vehicles with ORVR system penetrate the market.
- The total amount of NO_x reductions expected in 2009 from an expedited “Highway Rule” is 2.31 tons/day. As the numbers of cleaner diesel engines increase in the years beyond 2009, less NO_x benefits is expected.

⁵ Draft report - MPO UPWP (due to local MPO September 2007).

- The California LEV II was found more stringent than the Tier 2 and more suitable to the San Antonio region for its emphasis on reducing VOC emissions. The air quality benefits of LEV II are attributed mainly to this program's scheduling and phase-in cycles. An annual reduction of 2.55 tons of VOC and NOx in 2012 can be anticipated from adoption of LEV II.

2.3 Control Strategy Development Milestones

Enforceable state control strategies were put in place under the Early Action Compact at the request of local elected officials. The regional leadership is interested in ensuring that the greatest emissions reductions available through these measures are obtained. Efforts continue to verify that SIP creditable strategies are implemented as stated within the SIP.

In addition to control measures for which SIP credit can be obtained, **voluntary strategies** are also promoted and implemented in the San Antonio region. AACOG staff continues to encourage the adoption of voluntary measures through such programs as Commute Solutions, Clean Cities, and the Alamo Clean Air Partnership.

2.3.1 Alamo Area Clean Cities

Through the Alamo Area Clean Cities (AACC) program, technical and outreach assistance is provided for alternative fuels and Clean Cities technologies (fuel blends, idle reduction technologies, hybrids, and fuel economy) to fleet operators in the San Antonio Early Action Compact Region.

Compressed Natural Gas Fleet Expansion

The City of San Antonio expressed interest in exploring the development of a CNG-powered heavy-duty refuse truck fleet. On February 16, AACOG hosted a CNG workshop for the City of San Antonio and other area stakeholders. AACOG staff received verbal commitment from the City of San Antonio as well as VIA and CPS to hold a follow-up meeting to discuss and begin consideration of an area-wide CNG refueling infrastructure plan.

In March, the City of San Antonio released a request for bids soliciting the purchase of CNG-fueled refuse trucks. On May 31st, the San Antonio City Council voted to approved the purchase of 15 CNG-powered refuse trucks and construction of a single CNG refueling station. This represents a major commitment by the City of San Antonio, making theirs the largest CNG-powered refuse fleet in Texas.

A Clean Cities "Advancing the Choice" event is scheduled for July 26th to explore further partnerships within the Alamo Area Clean Cities program. Potential partners include VIA Metropolitan Transit, CPS Energy, Waste Management, BFI, and two local school districts. The event will focus on natural gas uses in medium and heavy-duty vehicles. Sponsors at this time include Cummins/Westport, TYMCO, Clean Energy, and the Texas General Land Office (GLO). A goal of this event will be to explore extending the regional CNG fleet and refueling infrastructure by leveraging the city's groundbreaking efforts.

Hybrid Taxi Fleet in San Antonio

On February 22, AACOG hosted a meeting with the City of San Antonio Police Department Ground Transportation Unit and local taxi company owners to discuss the City-proposed hybrid taxi program. City of San Antonio officials were interested in developing a program that encourages greater use of hybrid vehicles as taxis. The meeting at AACOG was conducted to get input from the taxi companies and address issues/concerns, which could prevent the implementation of an effective program. The Alamo Area Clean Cities Coordinator provided a

presentation on hybrid vehicles that included information on the technology, benefits/costs, availability, and tax credits.

The City of San Antonio (CoSA) has since created an ordinance for the hybrid taxi program that was adopted by the City Council on May 17, 2007. The voluntary program will allow taxi fleets and owners to replace each non-hybrid taxi with two permits good only for a hybrid vehicle. The maximum number of hybrid taxi permits is limited to 52 permits annually. AACOG staff met with TCEQ and CoSA staff on June 12th to discuss "Texas Green & Go" designation. The City's hybrid taxi program will be recognized as the first "Texas Green & Go" partner in Texas. Plans continue for marketing and promotion of the recognition ceremony and the program itself.

The Texas Green & Go Partnership seeks to promote the benefits of efficient, lower-emitting hybrid-electric vehicles for taxi fleets and work to increase public awareness of hybrid-electric vehicles as a cleaner alternative to a 100% petroleum-fueled, internal combustion engine vehicle, practiced for both personal transportation and fleets. The Texas Green & Go Partnership is a project developed by TCEQ Commissioner Larry R. Soward.

2.3.2 Alamo Adopt A School Bus

AACOG staff promotes and coordinates the Alamo Adopt A School Bus (AASB) program, a cooperative partnership established to aid school districts in replacing their aging school bus fleets with new "clean fuel" buses. Achieving this goal requires educating school districts and corporations about the benefits of replacing older diesel buses with lower emission "clean fuel" buses. Efforts to reduce school bus emissions could also involve the combination of replacing and retrofitting buses with new technology to achieve NOx and PM reductions and the possible use of low-sulfur fuel.

Green Patrol

Green Patrol arose from the Adopt A School Bus program and is an idle reduction project that encourages parents and bus drivers to refrain from idling their vehicle engines for extended periods while dropping off and picking up school students. A pilot program was approved by the North East Independent School District in San Antonio and supported by the district's asthma educator. Staff presented information on the Green Patrol program to health representatives for nine school districts in San Antonio at the Asthma Action Summit in February. The Green Patrol Program officially kicked off on April 5 in conjunction with the start of the Region's Ozone Season. Currently, 161 parents and teachers have taken a pledge to refrain from idling their vehicle engines. An assessment will be conducted at the end of the pilot program to determine the success of the project.

2.3.3 Alamo Clean Air Partnership

The Alamo Clean Air Partnership (ACAP) program encourages voluntary emission reduction measures among the business and government sectors of the San Antonio region. Air pollution reduction measures implemented by current partners include a wide range of on-road, non-road, and point source strategies.

During the January through June 2007 timeframe, the primary focus of the program was on maximizing outreach efforts by partnering with business associations to promote ACAP. As an example, AACOG staff worked with the Greater San Antonio Chamber of Commerce to develop the "Business of Air" seminar series (see section 2.5.2).

AACOG partnered with the San Antonio-Bexar County Metropolitan Planning Organization to promote a series of Walk & Roll events in the region. The Walk & Roll campaign focuses on alternative forms of transportation -- carpooling, vanpooling, riding the bus, walking, and riding a bicycle – as opposed to single-occupant vehicle commutes. Several of the Walk & Roll events specifically targeted businesses and local governments. Nearly 100 of the largest employers in the region were invited to attend a Project Officer Rally on May 11, 2007 to kick off the Walk & Roll Corporate Challenge scheduled for June 1 – June 30, 2007. The Project Officer Rally provided staff an opportunity to distribute information about ACAP to major employers in the region. See Appendix A for Walk & Roll Corporate Challenge materials distributed at the Project Officer Rally.

Current ACAP Members

- H-E-B Grocery Company
- City of San Antonio
- Raba-Kistner Consultants, Inc.
- San Antonio Water System
- USAA
- Valero Energy Corporation
- Alamo Area Council of Governments

Honorary ACAP Members:

- Harlandale ISD
- San Antonio-Bexar County Metropolitan Planning Organization
- San Antonio College
- San Antonio Express-News
- Texas Department of Transportation, San Antonio District
- University of Texas at San Antonio
- CPS Energy
- VIA Metropolitan Transit
- Joven
- Bexar County
- Palo Alto College
- San Antonio Police Department
- Archdiocese of San Antonio
- Cemex
- AGUA/GEAA
- Trinity University

Supporting Organizations:

- The Greater San Antonio Chamber of Commerce
- The San Antonio Hispanic Chamber of Commerce

Take Out Air Pollution:

AACOG staff continues to promote ACAP through the “Take Out Air Pollution” campaign. The “TakeOut Menu,” which lists measures organizations can implement to reduce air pollution, was added to the agency’s web site.⁶ Examples of TakeOut menu items include energy conservation (Figure 1) and employee carpool programs. Organizations participate in the campaign by implementing one or more measures listed in the TakeOut menu. AACOG staff

⁶ Visit <http://www.cleanairstrive.com/Takeout/Takeout.htm>


quantifies these measures in terms of emission reductions and adds the information to the voluntary emission reduction database.

Figure 1. A Section from the AACOG Take Out Air Pollution Webpage

CleanAirDrive.com

Take Out Air Pollution

2007 Take Out Menu

<i>Lighter Fare</i>		<i>Dollars & Sense</i>
<p>Be an Energy Sage</p> 	<input type="checkbox"/> Turn off lights and appliances when not in use	Savings vary depending on appliances in use, but consider this example. A ceiling fan does not actually change the temperature in a room; it just makes a person feel cooler because of the "wind chill factor." Leaving a fan turned on in an unoccupied room does nothing but waste electricity.
	<input type="checkbox"/> Put your computer monitor to sleep	...save ~\$25.00/year per monitor Monitors can be set to turn off automatically when there is no computer activity for a specified amount of time. For details, visit the New American Dream's computer page .
	<input type="checkbox"/> Replace incandescent light bulbs with compact fluorescent lamps (CFLs)	...save ~\$30.00/bulb CFLs use at least 2/3 less energy than standard incandescent bulbs to provide the same amount of light, and last up to 10 times longer

Clean Air Drive

AACOG purchased a new domain name – CleanAirDrive – to display information regarding clean air programs (Figure 2), such as ACAP. The domain name was chosen to reflect the intent of the site and to provide a URL (CleanAirDrive.com)⁷ that is easy to find and remember. AACOG Natural Resources staff has heavily promoted the new web address. Internet users may still access ACAP information on the AACOG main website as well.

AACOG public outreach staff has also developed a new graphic for this ozone season called the Clean Air Gauge, posted on several websites for the San Antonio region including the Clean Air Drive website (Figure 2). The gauge measures how close the San Antonio EAC is from failing the federal ozone standard or the "red zone" on the graphic. The "red zone" starts at 82 parts per billion (ppb) ozone concentration as the 4th highest value to avoid.⁸ The gauge is

⁷ Visit Clean Air Drive at <http://www.cleanairdrive.com/>

⁸ If the fourth- highest 8-hour ozone average for 2007 at the Camp Bullis (CAMS 58) site reaches 82 ppb, the San Antonio region's 2005-2007 design value will be 85 ppb, in violation of federal 8-hour average ozone NAAQS. As of June 25, the CAMS 58 4th-highest value for 2007 is 67 ppb, giving the region a design value of 80 ppb. Source: http://www.tceq.state.tx.us/cgi-bin/compliance/monops/8hr_attainment

updated if and as the 2007 fourth-highest seasonal 8-hour average value changes. Appendix D contains a larger Clean Air Gauge that features more detail.

Figure 2. View of Homepage for the CleanAirDrive.com Website



2.3.4 Texas Emission Reduction Plan (TERP)

When the State Implementation Plan created under the Early Action Compact was finalized in 2004, local elected officials requested a 2-ton per day (tpd) reduction of NO_x emissions in the 4-county SAER through Texas Emissions Reduction Plan⁹ (TERP) projects implemented locally. With the addition of projects up to and including the FY 2005 TERP 2nd round projects, the amount of NO_x estimated reductions exceeded the targeted 2 tpd by 0.14 tpd in the San Antonio region.¹⁰

AACOG staff continues to vigorously promote TERP. On April 2, 2007, TCEQ opened the FY 2007 2nd round TERP applications to include the San Antonio area for the first time since the FY 2005 TERP 2nd round. The TERP application process closed June 1, 2007.

AACOG hosted two TERP workshops on April 16th and a TERP application-writing workshop on May 7th to help promote NO_x reduction activities. The workshops were open to the general public. The Clean Cities Coordinator has been assisting stakeholders and members of the public with questions and issues on TERP.

One of the local applicants for TERP funding during this process was the City of San Antonio, which applied for CNG infrastructure assistance (see 2.3.1, under *Compressed Natural Gas Fleet Expansion*). Information regarding project selection will be available later this summer. It is anticipated that TCEQ will publish information about the spring 2007 TERP project selection list by mid-July 2007. Information will be provided in the next EAC Semi-Annual report.

⁹ <http://www.tceq.state.tx.us/implementation/air/terp/>

¹⁰ As documented in AACOG's Seventh Semi-Annual report for the San Antonio EAC region, June 30, 2006, page 13. Online: http://www.aacog.com/CAP/eacsemiannualreports/063006_7th_SemiAnnual-AACOG.pdf

2.3.5 Transportation Emission Reduction Measures (TERMs)

TERMs projects include projects listed on the San Antonio/Bexar County Metropolitan Planning Organization's Transportation Improvement Program (TIP) and projects sponsored by local governments that are not federally funded. The projects, which qualify as TERMS projects, aim to reduce congestion and/or the number of trips made by vehicles, ultimately improving the air quality by reducing emissions. These projects have completion dates scheduled from 1999 through 2007.

However, the completion of **some** TERMS projects is not anticipated by Dec. 2007. Projects such as these have progressed slowly due to external influences (changes in construction plans, etc.). The EPA has accounted for these external influences by allowing substitute projects to replace the slower moving ones. Substitute projects are projects that were not on the original list approved for SIP credit and are scheduled for completion prior to Dec. 31, 2007. **Substitutions for the projects not completed by December 2007 listed in Appendix B will be determined during a continuing evaluation process.**

Table 2. TERMS Project Completion Status; Estimates as of December 2006

Project Completion Status	Number of Projects	NOx (lbs/day)	VOC (lbs/day)
Completed	283	339.650	878.764
Completion Anticipated during 2007	24	7.205	19.568
Completion Dates Unknown	10	64.342*	177.037*
Completion Anticipated Post 2007	15	9.539**	19.816**

* Substitutions may need to be found for these projects with equivalent or greater reductions

Substitutes **must be found for these projects with equivalent or greater reductions

2.4 Maintenance for Growth Milestones

Assurance of the air quality situation in Maintenance Year 2012 is a vital aspect of the ongoing planning activities by stakeholders in the EAC for the San Antonio region. Accomplishing this milestone is essential and would indicate that the efforts of the stakeholders in the SAER were successful.

2.4.1 Updating the Planning Process

Various stages of planning and verification must be performed on a continual basis to ensure timely emission reductions for the region to maintain air quality standards. The impacts of new point source related emissions, economic and population growth, and the implementation of new control strategies are evaluated during the air quality modeling process.

2.4.2 New Strategy Requirements

At this time, review of growth and monitor readings may support a call for additional measures enacted locally. The local governments, businesses and industry as well as other entities have implemented the many voluntary control strategies listed in the preceding pages. In addition, the AIR Committee is investigating other measures that could be implemented locally. Some of these measures include:

- Heavy duty diesel truck anti-idling ordinance
- Stage II vapor recovery systems, on-board vapor recovery (OBVR) systems, or the California LEV II standards (section 2.2.2 of this report)
- Voluntary measures taken by point source permit applicants to offset additional emissions

- Smoking vehicle rule – ticket smoking vehicles
- Hybrid or alternative city/county fleets
- Green building policies for new city-owned facilities (resolution approved on 02/07/07 by the Governance Committee of CoSA)

2.5 Public Involvement Milestones

Educating the public about the importance of the region’s air quality continues to be a crucial effort for the Clean Air Plan. Outreach and education efforts continue within the SAER, often through partnerships with other governmental entities and industrial leaders in the area. As the Clean Air Plan is developed, citizens and citizen groups are given the opportunity to be involved in the Clean Air Plan development process.

2.5.1 Media

During the first half of 2007, AACOG partnered with a number of agencies and companies to conduct press conferences that focused on issues such as Air Quality in the San Antonio area, the Walk & Roll Challenge, and alternative commuting (e.g., carpooling, riding the bus, and walking).

Air Quality Health Alert (AQHA) Program

AACOG ensures the AQHA program is broadcast to as large an audience as possible by working with media partners to distribute AQHA announcements by television, radio, newspaper, and media websites. To help promote and educate, the Outreach Staff developed the Clean Air Gauge. This Gauge highlights the fourth highest ozone average, encouraging people to stay out of the RED ZONE—non-attainment. This graphic can be view in Figure 2 (*Clean Air Drive* webpage screen view) on page 8 of this report. In addition, Appendix D contains a larger version with more detail and accompanying explanation.

As of June 26, 2007, the following local organizations post the Clean Air Gauge on their website at the following Internet locations:

Organization	Web Link
San Antonio Water System	http://www.saws.org/environmental/cleanair/
SA-BC MPO	http://www.sametroplan.org/pages/Air_Quality/MPOozone.html
TransGuide	http://www.transguide.dot.state.tx.us
City of San Antonio	http://www.sanantonio.gov/enviro/EMD/AirQuality.asp
Palo Alto College	http://www.accd.edu/pac/htm/Community/publicaffairs/walkandroll/
VIA Metropolitan Transit	http://www.viainfo.net/Community/Green.aspx
Bexar County	http://www.bexar.org/
City of Boerne	http://www.ci.boerne.tx.us/
Comal County Engineer	http://www.cceo.org
Drive Clean Across Texas	http://www.drivecleanacrosstexas.org/other_ag_programs/partner_programs/san_antonio.stm

AACOG posts the Clean Air Gauge on the following agency web locations:

AACOG	http://www.aacog.com/
Clean Air Drive	http://www.cleanairdrive.com/
AACOG/AIR	http://www.aacog.com/air/

In addition, AACOG staff continues to promote AQHA awareness through the sale of AQHA banners. This highly successful outreach campaign, one of many begun by former City Councilman Christopher “Chip” Haass, placed banners in schools throughout the San Antonio region, and continues with banner sales to businesses and schools within the EAC region.

Air Quality Education Via Media

Local media aired public service announcements promoting Arbor Day 2007 as well as a news article printed in the San Antonio Express-News focusing on stricter policies from greenhouse gases.

Other Media Efforts

Between January and June 2007 AACOG issued 3 press releases, conducted 1 press conference, assisted with 1 City Proclamation, and contributed 4 *Region* articles (AACOG electronic newsletter distributed to the 12-county region), regarding air quality issues. Air quality outreach materials were also distributed at media-sponsored health events.

2.5.2 Other Outreach Efforts

Non-media related outreach efforts continue. From January through June 2007, a number of governmental, private, school, and/or civic group presentations were provided as listed in Appendix A. Such events allow AACOG staff to inform citizens on how everyday actions contribute to air pollution and how alternate methods of doing the same tasks can help reduce emissions.

Business of Air Seminar

AACOG staff worked with the Greater San Antonio Chamber of Commerce to develop the "Business of Air" seminar series. The first event in the series addressed such topics as: 1) Basic Principles of Air Quality; 2) the Business Perspective of Air Quality; and 3) the Future of Air Quality for San Antonio.

The Business of Air seminar, held on May 14, 2007, drew approximately 120 persons. The Greater San Antonio Chamber of Commerce hosted the seminar, with the assistance of multiple sponsors from the San Antonio business community. The speakers were Peter Bella, Director Natural Resources for AACOG, and George Beatty, Executive Director For the Texas Environmental Research Consortium and past President of the Greater Houston Partnership's Chamber of Commerce Division. Bexar County Judge Nelson Wolff, who is also Vice-Chair of the Air Improvement Resources Committee of AACOG, delivered the keynote speech. The seminar focused on the essentials of air quality as it relates to the business community; how ozone is formed, relevant air quality rules, San Antonio's current status and, in broad strokes, likely policy impacts should the region be declared non-attainment under federal 8-hour average ozone air quality standards.

Attendees to the seminar were provided a questionnaire to facilitate future outreach planning for the business community. The results of the questionnaire are attached as Appendix C, The Business of Air: Understanding Nonattainment; Evaluation Results. These very useful results are currently being used by AACOG and Greater Chamber staff to plan further seminar series and assess further need for other outreach measures in the community.

Air Quality Materials and Information Distribution

To increase awareness of air quality topics among the general public, AACOG staff distributes thousands of brochures, booklets, flyers, and promotional items developed by AACOG or given to AACOG for distribution by other organizations or agencies. These distributions are listed in Appendix A under the header "Informational Materials and Distributions for All Outreach Efforts through AACOG." Additionally, AACOG maintains an air quality website, which has been updated with a new look, slogan and logo. The CleanAirDrive website is updated weekly and provides a wealth of information on air quality issues. Websites relating to air quality issues or

containing air quality information in the San Antonio EAC region are listed in Appendix A, under the header: *Websites for Public Viewing*.

Commute Solutions Program

The Commute Solutions program is designed to reduce the number of single occupancy vehicles (SOVs) by promoting alternative forms of transportation, such as RideSharing (carpooling, vanpooling, & SchoolPooling), Bike Buddies, and Walking School Bus (WSB).

In May 2007, the Commute Solutions staff contracted with Greenride for a web-based matching system to be used over the next 4-years. AACOG staff along with its regional partners in Austin, TX will launch the basic package on July 2, 2007. The system will serve matching needs for the San Antonio, New Braunfels, San Marcos, and Austin areas, providing a faster and more efficient rideshare system.

In addition to participants requesting individual match, organizations have the opportunity to request matching for its members. Below is the current list of organizations participating in the program's RideShare matching services. The names in ***italic bold*** indicate those that have made requests for matches within the January – June 2007 reporting period.

Carpooling:

- CPS Energy
- ***Northwest Vista College***
- Southwest Research Institute
- Bexar County
- AACOG
- Standard Aero
- First Health
- ***Lackland AFB***
- San Antonio Water System (SAWS)
- ***City of San Antonio (COSA)***
- ***USAA***

SchoolPool & Walking School Bus (“WSB” indicates both programs active at location)

- Northeast School of Arts
- International School of the Americas
- ***San Antonio PREP & EDGE (summer only)***
- Candlewood Elementary (WSB)
- Evers Elementary (WSB)
- Encino Park Elementary

2.5.3 Public Meetings/Clean Air Plan Workshops

In accordance with the EAC, the public has opportunities to participate with the ongoing development of the Clean Air plan in order to familiarize themselves with the process and goals of the project. The regularly scheduled bi-monthly meetings of the AIR Executive Committee, the planning committee for air quality planning under the Early Action Compact in the San Antonio region, are open to the public and always have a Citizens to Be Heard agenda item. Additional exposure to the project is expressly provided to the public through other meetings and workshops. This is achieved through the hosting of Clean Air Plan Workshops, which are called to discuss special topics with dates and times based on feedback from the public and scheduled typically on workweek evenings alternating with Saturday mornings.

Chapter 3 – Conclusion

The San Antonio EAC region has successfully maintained steady progress in accomplishing EAC milestones and ensuring proper development of the Clean Air Plan. Completion of the milestones included appropriate participation of stakeholders in the air quality planning process, ongoing development and research of potential control strategies (to include voluntary strategies), provisions for public participation in the development of the Clean Air Plan, and continued development of technical activities and testing of model performance. Accomplishing these milestones allowed efficient development of the Attainment Demonstration and enhanced confidence in the validity of its technical data.

The San Antonio EAC region remains compliant with the prescribed milestones as given by the *Protocol for Early Action Compacts Designed to Achieve and Maintain the 8-Hour Ozone Standard*.¹¹ The region will continue to comply with the milestones as required.

¹¹ The "Protocol for Early Action Compacts Designed to Achieve and Maintain the 8-Hour Ozone Standard" is available online as http://www.epa.gov/ttn/naaqs/ozone/eac/20020619_eac_protocol.pdf

APPENDIX A – OUTREACH EFFORTS

2007 Air Quality Outreach & Education

1. Television

Type of Outreach	Subject	Contact Persons w/Organizations	Date	Target Audience

2. Radio

Type of Outreach	Subject	Contact Persons w/Organizations	Date	Target Audience
PSA	Arbor Day 2007	Mark Peterson, SAWS / AFP Heather Willden, AACOG / AFP	3/3/2007	General Public

3. Newspaper & Internet

Source	Title of article	Contact Persons w/Organizations	Date	Target Audience
Newspaper	TXU's new plan elicits wariness	Anton Caputo, SA Express-News Peter Bella, AACOG	3/12/2007	General Public [TRANSPORT]
Newspaper	Texas activists embrace 'very cool decision'	Jerry Needham, SA Express-News Peter Bella, AACOG	4/2/2007	General Public

4. Governmental, Civic, or Private Group

Type of Outreach	Subject	Contact Persons w/Organizations	Date	Target Audience
Presentation	AACOG New Hire	Heather Willden, AACOG Cindy Krueger, AACOG	2/13/2007	AACOG Staff
Presentation	Commute Solutions	Brenda Williams	2/26/2007	MPO Transportation Policy Board
Presentation	Commute Solutions	Amber Mayne, AACOG	3/6/2007	San Antonio Roadrunners
Presentation	Air Quality & Kids	Heather Willden, AACOG	3/19/2007	Southwest Housing Corporation - Kids
Presentation	Commute Solutions	Amber Mayne, AACOG	4/17/2007	Standard Aero
Event	Earth Day @ Boeing	Brenda Williams, AACOG Heather Willden, AACOG	4/19/2007	Boeing Employees
Event	TXDOT Earth Day	Heather Willden, AACOG	5/4/2007	TXDOT Employees
Presentation	Air Quality & Kids	Heather Willden, AACOG	5/10/2007	Southwest Housing Corporation - Kids
Presentation	Air Quality & Kids	Heather Willden, AACOG	5/11/2007	Southwest Housing Corporation - Kids
Presentation	SAWS Brown Bag	Heather Willden, AACOG	5/15/2007	Employees [TRANSPORT]
Presentation	Commute Solutions	Amber Mayne, AACOG Gloria Arriaga, AACOG	6/5/2007	Dominion Country Club
Presentation	Air Quality & Kids	Heather Willden, AACOG	6/13/2007	Southwest Housing Corporation - Kids
Presentation	Air Quality & Kids	Heather Willden, AACOG	6/20/2007	Southwest Housing Corporation - Kids

5. School - Related Education

Type of Outreach	Subject	Contact Persons w/Organizations	Date	Target Audience
Mailing	Anti-Idling/Children's Health	Heather Willden, AACOG Denise Barkis-Richter, AHISD Parent	1/10/2007	Cambridge Elementary Woodridge Elementary Palo Alto College
Event (Donated Materials)	Career Fair	Debbie Hooge, TIAA	1/31/2007	Middle School Students
Event	Asthma Action Plan Summit	Heather Willden, AACOG / STAC Debi Long, Christus Santa Rosa / STAC	2/15/2007	School District Health Directors/Advisors
Presentation	Safe Routes to School Workshop	Heather Willden, AACOG Lydia Kelly, MPO	2/22/2007	Parents, Students, Neighborhood residents
Presentation	Air Quality Health Alert Program	Heather Willden, AACOG	3/6/2007	Southwest ISD Nurses
Presentation	Air Quality Health Alert Program	Heather Willden, AACOG	3/19/2007	SAISD Nurses
Presentation	Air Quality Health Alert Program	Heather Willden, AACOG	3/20/2007	Judson ISD Nurses
Presentation	Green Patrol - Kids	Heather Willden, AACOG Andrew Hudgins, AACOG	3/21/2007	Camelot Elementary Safety Patrol
Event	Health Fair	Heather Willden, AACOG	3/23/2007	West Avenue Elementary
Event	Water Fest	Amber Mayne, AACOG Andrew Hudgins, AACOG	3/24/2007	Schulze Elementary
Presentation	Air Quality Health Alert Program	Heather Willden, AACOG	3/28/2007	Archdiocese for Catholic Schools
Presentation	Air Quality Health Alert Program	Heather Willden, AACOG Andrew Hudgins, AACOG	3/30/2007	Southside ISD Nurses
Presentation	Green Patrol - PTA	Heather Willden, AACOG Andrew Hudgins, AACOG	4/3/2007	Camelot Elementary PTA
Event	Green Patrol Kick Off	Heather Willden, AACOG Andrew Hudgins, AACOG Amber Mayne, AACOG	4/5/2007	Camelot Elementary
Presentation	Air Quality Health Alert Program	Heather Willden, AACOG Andrew Hudgins, AACOG	4/9/2007	South San Antonio ISD Nurses
Presentation	Air Quality Health Alert Program	Heather Willden, AACOG Andrew Hudgins, AACOG	4/9/2007	Harlandale ISD Nurses
Event	NISD Kids Day	Heather Willden, AACOG	04/11-12/07	NISD 5th Graders
Mailing	AQHA Banner	Heather Willden, AACOG Isabel Gonzales, AACOG	4/16/2007	Estrada Achievement Center
Mailing	Air Quality Information	Heather Willden, AACOG Isabel Gonzales, AACOG	4/16/2007	Our Lady of Perpetual Help
Event	Health Fair	Heather Willden, AACOG	4/20/2007	Fox Run Elementary

Presentation	Safe Routes to School Workshop	Amber Mayne, AACOG	4/25/2007	Parents, Students, Neighborhood residents
Presentation	Air Quality Health Alert Program	Heather Willden, AACOG Amber Mayne, AACOG	4/25/2007	Students/Teachers Millers Point (4 presentations)
Presentation	Lackland ISD Health Fair	Heather Willde, AACOG Brenda Williams, AACOG Andrew Hudgins, AACOG	4/26/2007	Students/Teachers
Presentation	Air Quality Health Alert Program	Heather Willden, AACOG	5/1/2007	Comal ISD Nurses
Event	Health Fair	Heather Willden, AACOG	5/1/2007	Parents, Students, Neighborhood residents
Mailing	Green Patrol Welcome Packets	Heather Willden, AACOG	5/2/2007	No Idle Pledge Participants (Parents/Faculty/Staff)
Event	Health Fair	Heather Willden, AACOG	5/4/2007	Parents, Students, Neighborhood residents
Mailing	NEISD Air Group	Brenda Williams, AACOG	5/7/2007	Patrons
Presentation	Air Action Team Party	Andrew Hudgins, AACOG Heather Willden, AACOG	5/9/2007	Students/Teachers Camelot Elementary (4 presentations)
Presentation	Air Action Team	Andrew Hudgins, AACOG	6/27/2007	Teachers SAWS Water Conf.

6. Events & Public Meetings

Type of Outreach	Subject	Contact Persons w/Organizations	Date	Target Audience
Event	WeatherFest [TRANSPORT]	Brenda Williams, AACOG Amber Mayne, AACOG	1/14/2007	General Public
Event	Transportation Leadership Forum	Brenda Williams, AACOG Heather Willden, AACOG	2/2/2007	Transportation Planners
Event	Earthwise Living Day	Georgia Zannaras, AACOG Amber Mayne, AACOG	2/24/2007	Leon Valley Residents General Public
Event	Arbor Day	Heather Willden, AACOG Amber Mayne, AACOG	3/3/2007	General Public
Event	Science Fest	Heather Willden, AACOG Brenda Williams, AACOG	3/24/2007	Girls Inc. Girls, age 6-18
Event	Green Building Summit	Amber Mayne, AACOG	3/28/2007	Elected Officials General Public
Event	Live Green Fest	AACOG Natural Resources Staff	4/7/2007	General Public
Event	MPO TIP Open House	Brenda Williams, AACOG Amber Mayne, AACOG	4/10/2007	General Public
Event	Earth Day @ NWVC	Amber Mayne, AACOG	4/12/2007	NWVC Students/Faculty/Staff
Workshop	Air & Waste Management Assoc. [TRANSPORT]	Peter Bella, AACOG Brenda Williams, AACOG Amber Mayne, AACOG	4/13/2007	A&WMA Membership
Mailing	Bike Maps	Heather Willden, AACOG Isabel Gonzales, AACOG	4/16/2007	General Public
Event	Earth Day	All Outreach Staff	4/21/2007	General Public
Event	YMCA Kids Day	Andrew Hudgins, AACOG	4/23/2007	General Public
Workshop	Safe Routes to School Workshop	Peter Bella, AACOG Brenda Williams, AACOG Amber Mayne, AACOG	4/13/2007	A&WMA Membership
Event	Walk & Roll to Work Rally	Amber Mayne, AACOG	5/4/2007	General Public
Meeting	Walk & Roll Project Officer Rally [TRANSPORT]	AACOG Natural Resources Staff	5/11/2007	Agency Reps
Event	Walk & Roll Fest	Amber Mayne, AACOG Brenda Williams, AACOG	5/12/2007	General Public
Event	Go Green	Andrew Hudgins, AACOG	05/18-19/07	General Public
Event	Solar Fest	Brenda Williams, AACOG Peter Bella, AACOG Heather Willden, AACOG Parviz Nazem, AACOG	5/19/2007	General Public
Event	Missions Baseball Asthma Night	STAC Representatives Heather Willden, AACOG Amber Mayne, AACOG	5/19/2007	General Public
Event	Movie in th Park	Amber Mayne, AACOG Brenda Williams, AACOG	6/9/2007	General Public

7. Press Items and Proclamations

Type of Outreach	Subject	Contact Persons w/Organizations	Date	Target Audience
Newsletter	Take Out Air Pollution in 2007	Brenda Williams, AACOG Heather Willden, AACOG Tiffany Pickens, AACOG	2/1/2007	AACOG Region
Proclamation	Arbor Day	Heather Willden, AACOG Brenda Williams, AACOG	3/1/2007	City Council General Public
News Brief	Arbor Day	Heather Willden, AACOG	3/2/2007	General Public
Newsletter	Celebrate Arbor Day	Brenda Williams, AACOG Heather Willden, AACOG Tiffany Pickens, AACOG	3/1/2007	AACOG Region
Newsletter	Fresh Air Friday	Brenda Williams, AACOG Amber Mayne, AACOG Tiffany Pickens, AACOG	3/1/2007	AACOG Region

News Release	Fresh Air Friday	Amber Mayne, AACOG Brenda Williams, AACOG Tiffany Pickens, AACOG	3/26/2007	General Public
Newsletter	Ozone Season 2007	Heather Willden, AACOG Peter Bella, AACOG Brenda Williams, AACOG Tiffany Pickens, AACOG	4/1/2007	AACOG Region
News Release	Walk & Roll / Clean Air Gauge	Heather Willden, AACOG Amber Mayne, AACOG Peter Bella, AACOG Brenda Williams, AACOG Tiffany Pickens, AACOG	4/20/2007	General Public
Request For Coverage	Press Conference for Walk & Roll Events and Air Quality Challenges	Brenda Williams, AACOG Amber Mayne, AACOG Heather Willden, AACOG	4/23/2007	General Public
Press Conference	Walk & Roll / Clean Air Gauge [TRANSPORT]	Amber Mayne, AACOG Peter Bella, AACOG Brenda Williams, AACOG	4/23/2007	General Public
News Release	CONTROLLING ASTHMA, SAVING LIVES THROUGH EDUCATION San Antonio observes <i>World Asthma Day</i> through baseball	Debi Long, STAC Heather Willden, AACOG	5/16/2007	General Public
PSA	CELEBRATE ASTHMA AWARENESS WITH THE MISSIONS	Debi Long, STAC Heather Willden, AACOG	5/16/2007	General Public
PSA	TRAVEL SMART IN JUNE FOR THE WALK AND ROLL CORPORATE CHALLENGE	Brenda Williams, AACOG Heather Willden, AACOG	5/31/2007	General Public
News Release	SMART COMMUTING TO REDUCE AIR POLLUTION San Antonio Mayor Challenges businesses to Walk & Roll this June	Brenda Williams, AACOG Heather Willden, AACOG	5/31/2007	General Public
News Release	STEPPING UP TO IMPROVE AIR QUALITY FOR REGION Capitol Cement receives award for clean air efforts	Brenda Williams, AACOG Peter Bella, AACOG Heather Willden, AACOG	6/13/2007	General Public
Newsletter	Walk & Roll Corporate Challenge	Brenda Williams, AACOG Amber Mayne, AACOG Heather, Willden AACOG Tiffany Pickens, AACOG	6/1/2007	AACOG Region

8. Website for Public Viewing

Agency/Company	Site Name	How It Relates	URL
AACOG	CleanAirDrive.com	Natural Resources Programs	http://www.cleanairdrive.com
AACOG	Air Quality	AQ Info (AQ Fact Sheet. Pdf) [TRANSPORT]	http://www.aacog.com/air/
AACOG	Commute Solutions	Reducing SOVs	http://www.aacog.com/commutesolutions/
AACOG	Adopt-a-School Bus	Reduce pollution from school buses	http://www.aacog.com/schoolbus/
AACOG	TERP	Grants for use of pollution reduction technologies	http://www.aacog.com/terp/
AACOG	ACAP	Buisness community commitment to AQ	http://www.aacog.com/acap/
AACOG	Walk & Roll Challenge	Month-long challenge promoting walking, biking, carpooling/vanpooling, and busing [TRANSPORT]	http://www.walkandrollchallenge.com/
AACOG	Clean Cities	Promotes alternative fuels	http://www.aacog.com/cleancities
AACOG	Kids Zone	Links and fun activities about AQ for kids	http://www.aacog.com/aboutaacog/kidszone/
AACOG	Clean Air Plan	Posting of the Clean Air Plan for SA region	http://www.aacog.com/cap/
AACOG	Cleaner Texas Cleaner World		http://www.aacog.com/air/cleantexas/cleantexas.asp
AACOG	Conceptual Model	Posting of report	http://www.aacog.com/naturalresources/cm/042705_ConcModel2004.pdf
AACOG	Emission Inventories	Posting of San Antonio region air EI for 1996 Posting of San Antonio region air EI for 1999 Posting of San Antonio region air EI for 2002	http://www.aacog.com/naturalresources/1996%20Emissions%20Inventory/1996EI_TOC.html http://www.aacog.com/naturalresources/1999%20Emissions%20Inventory/AACOG1999EI_OnlineIndex.html http://www.aacog.com/naturalresources/2002_NET_EI/
AACOG	Emissions Trend Analysis 2005	Posting of report	http://www.aacog.com/naturalresources/pdffiles/082405_TrendAnalysis_Sept05.pdf
AACOG	Clean Air Pan	Posting of plan for San Antonio Region	http://www.aacog.com/cap/
AACOG	AACOG regional newsletter	Newsletter informing the region of events, happenings, etc.	http://www.aacog.com/newsletter/

AFP	AQ & Trees	Information on trees in regards to AQ	http://www.alamoforestpartnership.org/
MPO	Ozone/AQ	General information on ozone and AQ	http://www.sametroplan.org/pages/Air_Quality/MPOozone.html
MPE	Homepage	Energy Efficiency	http://www.mp4e.info/
Build SA Green	Homepage	Building energy efficient homes in San Antonio	http://www.buildsagreen.org/
Solar San Antonio	Homepage	Solar Energy	http://www.solarsanantonio.org/
COSA	Environmental Services		http://www.sanantonio.gov/enviro/
CPS	Rebates and Programs	Programs to conserve energy, preserve the environment and save money on utility bills	http://www.citypublicservice.com/content_listInternet.asp?emt_id=13
WOAI	Air Quality	General linformation on AQ, ozone, & AQHA days	http://www.woai.com/weather/story.aspx?content_id=B9E06E29-059F-4DAD-ACFA-9DF72655970F

9. Informational Materials and Distributions for All Outreach Efforts through AACOG

Type of Outreach	Subject / Title	Description	Quantity	Target Audience
Promotional Item	10 things you can do to clean the air	bookmark to promote clean air practices	246	General Public
Promotional Item	Adopt-a-School Bus Bookmark	Encourage cleaner school buses	575	Elementary-age children
Promotional Item	Air Care Kit	DCAT promotional item, reward for participating in program	59	Driving-age public
Poster	Air Pollution Gremlins	TCEQ poster - 6 Gremlin characters with the six primary air pollutants (e.g. Odious Ozone), English & Spanish	113	Teachers, Elementary-age to Middle School age children
School Item	Air Quality & Transportation Curriculum	Compilation of lessons/activities adapted for region. [TRANSPORT]	1	Teachers/School Admin./Parents
Flyer	Air Quality & Your Health	Flyer detailing current air quality situation in region [TRANSPORT]	14	General Public
Promotional Item	Air Quality Fortune	Pull fortune out for Air Quality Tip	120	General Public
Flag	Air Quality Health Alert Banner	Banner for organizations to purchase and then hang during AQHA days	1	Business/Organizations
Survey	Air Quality Survey	Gauging responsiveness of Air Quality Messages/Actions in General Public	1	General Public
Promotional Item	Anti-Idling Mist fan	Incentive/reward/promote no-idle parents	55	Parents
Flyer	AQHA Instructions	Instructions to join notification program	253	Adult 18+
Promotional Item	AQHA Magnet	AQHA contact information	100	General Public
Flyer	AQI	Informational handout (Eng/Span) on Air Quality Index	508	General Public
Flyer	Arbor Day	Promoted Event	35	General Public
Promotional Item	Bike Buddies Bottles	Promote Bike Buddies program/Incentive	33	General Public
Promotional Item	Bike Maps	Displays safety of routes for bicyclists	155	General Public
Informational Item	Bike Tips	tips page for safe bicycling habits	4	General Public
Childrens Item	Buckle-up	Coloring book	6	Elementary-age Children
Card	Business Cards	Point-of-Contact material	136	General Public
Informational Item	Car Care 101	Encourages drives to maintain their vehicle	13	General Driving-age public
Brochures/Form	CARE	Promote and recruit CARE program participants	128	Carpoolers (those who have matched in program)
Form	Carpool/Bike Buddies Sign-Up	Participation form to join program	323	General Driving-age public
Promotional Item	Clean Air Drive Bags	Promote Clean Air	506	General Public
Promotional Item	Clean Air Drive Fans	Promote Clean Air	862	General Public
Promotional Item	Clean Air Drive Pens	Pen with 6 pollution reduction tips	1164	General Public
Promotional Item	Clean Air Driver Magnet	Incentive item to encourage program participation (e.g. reward for no idle pledge takers)	5	Driving-age general public
Informational Item	Clean Air Gauge	Handout describing Gauge and its purpose	12	General Public
Promotional Item	Clean Air Magnet	Magnets promoting clean air practices	14	General Public

Promotional Item	Clean Cities Static Sticker - Reuse	sticker promoting recycled/reuse/reduce	50	General Public
Informational Item	Clean Cities Vehicle List	handout detailing list of AFVs	2	General Public
Promotional Item	Clean School Bus USA Bus Driver Key Chains	Key chain incentive/reward for pledging not to idle (FOR BUS DRIVERS)	75	School Bus Drivers
Promotional Item	Clean School Bus USA Pencils	Pencils	30	General Public
Promotional Item	Clean Texas	bookmark to promote clean air practices	327	General Public
Promotional Item	Commute Solutions Blinking Light	Incentive item to encourage program participation (e.g. reward for walkers)	59	General Public
Promotional Item	Commute Solutions Lanyards	Incentive item to encourage program participation (e.g. reward for carpoolers)	378	Driving-age general public
Promotional Item	Commute Solutions Lunch Sacks	Incentive item to encourage program participation (e.g. reward for carpoolers)	5	Driving-age general public
Promotional Item	Commute Solutions Squeeze Car	Incentive item to encourage program participation (e.g. reward for carpoolers)	174	Driving-age general public
Promotional Item	Commute Solutions Travel Mug	Incentive item to encourage program participation (e.g. reward for carpoolers)	7	Driving-age general public
Promotional Item	Corn Pens	pens made of corn plastic, promote alternative fuels	250	General Public
Childrens Item	CPS ENERGY Notepads	Notepads	220	Children
Brochure	DCAT Asthma/Health	Information highlighting connection between asthma and air quality	479	School Parents/Nurses
Poster	DCAT Asthma/Health	Information highlighting connection between asthma and air quality	2	School Parents/Nurses
Promotional Item	DCAT Calendars	Air Quality-focused calendars providing monthly lessons	93	General Public
Poster	DCAT Clean Air Crew	Poster promoting clean air habits for children	2	Elementary-age Children & Teachers
Video	DCAT Clean Air Crew	DCAT cartoon, 6 minute video featuring Tex & Dot & the Clean Air Crew	4	Elementary-age Children & Teachers
Childrens Item	DCAT Coloring Book	DCAT coloring book - promoting air quality to students, English	2034	Teachers, Elementary-age children
Promotional Item	DCAT Notepads	Provides quick tips to improve air quality	322	General Public
Childrens Item	DCAT Stickers	Encourages RideSharing	85	Children, families, teachers, parents, grandparents
Childrens Item	DCAT Stickers	Encourages the maintenance of vehicles and protecting one's own health	114	Children, families, teachers, parents, grandparents
Childrens Item	DLAT Tattoos	Temporary tatoos with "Drive Clean Across Texas" on them	200	Children
Flyer	Earth Day	Promoted Event	149	General Public
Flyer	Effects of Common Air Pollutants	Flyer version of poster detailing effects of air pollution	299	General Public
Flyer	Fresh Air Friday	Promoted Event	39	General Public
Informational Item	Green Guide to Yard Care	book educating greener yard care practices	17	General Public
Letter	Green Patrol Parent Letter	Letter detailing and promoting Green Patrol and No Idling habits	600	Parents
Promotional Item	Green Patrol Static Sticker (Clean Air Driver)	Sticker for parents to display on windsheid --show support of program	161	General Public
Promotional Item	Green Patrol Stickers	Stickers promoting Green Patrol program	476	General Public
Informational Item	Green Patrol Welcome Note	Note welcoming into program and providing tips for idle reduction	161	General Public
Multi-media	Idle Reduction	CD/VHS promotion idle reduction to school bus drivers	2	Schools/School Transportation
Poster	Idle Reduction	Poster promoting idle-reduction to schools	2	Schools/School Transportation
Promotional Item	Key Ring: Tire Pressure Gauge	Reminds public to maintain proper tire pressure	440	General Driving Age Public
Press Item	Media Toolkit: Ozone 101	Toolkit to describe ozone pollution and AACOG services/programs to media [TRANSPORT]	77	Media / General Public
Promotional Item	No Idle Pledge Pens	Reminds public to avoid idling	445	General Public
Form	No Idle Pledges - Parent	Pledges not to idling vehicles	150	parents
Flyer	Program Pages	Flyer detailing outreach programs	173	General Public
Informational Item	Power Smart	booklet detailing power-saving tips	32	General Public
Promotional Item	Recycle Wrist Bands	promoting recycling	285	General Public
Flyer/Form	School Commute Solutions	Participation form to join program	7	K-12 parents/Teachers/Principals
School Item	School Toolkit: Ozone 101	Toolkit to describe ozone pollution and AACOG services/programs	321	Teachers/School Admin./Students/Parents
Promotional Item	Spray Bottles	spray bottles providing organic plant recipes	105	General Public
Flyer	Upcoming Events	Promoted Events	336	General Public
Brochure	Walk & Roll	Promoted Events	155	General Public
Flyer	Walk & Roll Corporate Challenge	Promoted Event	6	General Public
Flyer	We'd Love To Visit...	Promotes AACOG program presentations	253	General Public, organization members
Flyer	What can cities do		16	General Public

APPENDIX B – TERMS

I. TERMS projects already completed

	Project Type	Agency	Project Name	From	To	Let Date	Completion Date	VOC (lbs/day)	NOx (lbs/day)
1	Sidewalk	TxDOT	Acme Road	Old Highway 90		1999	2001	0.069	0.058
2	Sidewalk	TxDOT	Gevers St	IH 10	Southcross	2000	2001	0.242	0.204
3	Sidewalk	TxDOT	Henderson Pass	Thousand Oaks	Gold Canyon	2000	2001	0.202	0.170
4	Sidewalk	TxDOT	IH 410	Bertetti	Marbach	2000	2000	0.050	0.042
5	Bike/Ped	TxDOT	Mission Trails (Phase 3)	E. Southcross	Mitchell St.	2000	2001	0.712	0.600
6	Bike/Ped	TxDOT	Mitchell St.	Probandt to	Roosevelt	2000	2003	0.104	0.088
7	Bike/Ped	TxDOT	Nogalitos (LP 353)	Zarzamora / New Laredo Hwy	Surrey	2000	2003	0.235	0.198
8	Bike/Ped	TxDOT	Probandt St.	US 90	Mitchell	2000	2003	0.014	0.012
9	Bike/Ped	TxDOT	Prue Rd	Laureate	Fredericksburg	2000	2002	0.065	0.054
10	Bike/Ped	TxDOT	Rittiman	Austin Hwy (LP 368)	Harry Wurzbach	2000	2002	0.124	0.105
11	Bike/Ped	TxDOT	Timber Path Bikeway	Les Harrison	Grissom Rd.	2000	2001	0.166	0.140
12	Bike/Ped	TxDOT	Bitters Rd	Broadway	Nacogdoches Rd.	2001	2003	0.282	0.237
13	Bike/Ped	TxDOT	Callaghan	Hemphill	Culebra	2001	2003	0.266	0.225
14	Bike/Ped	TxDOT	Coliseum Rd.	East Houston St.	Gembler Rd.	2001	2004	0.123	0.104
15	Bike/Ped	TxDOT	East Houston St.	Walters	Onslow	2001	2003	0.054	0.045
16	Bike/Ped	TxDOT	East Houston St.	Onslow St.	Salado Creek	2001	2002	0.084	0.071
17	Bike/Ped	TxDOT	Pearsall Rd (FM 2536)	Loop 13 (Military Drive)	IH 410	2001	2003	2.630	2.216
18	Bike/Ped	TxDOT	Pecan Valley Dr	J St. to	IH 10	2001	2003	0.049	0.041
19	Bike/Ped	TxDOT	Pleasanton	Moursund	Gillette	2001	2003	0.027	0.023
20	Bike/Ped	TxDOT	Southcross	WW White (LP 13)	Loop 410	2001	2003	0.209	0.176
21	Bike/Ped	TxDOT	Uhr Lane	Higgins	Thousand Oaks	2001	2004	0.210	0.177
22	Bike/Ped	TxDOT	New World	Crestway	Montgomery	2004	2004	0.050	0.042
23	Sidewalk	TxDOT	New World	Montgomery Dr	Walzem Rd (FM 1976)	2004	2004	0.050	0.042
24	Sidewalk	Federal	Alamo	Cedar	San Antonio River	2003	2003	0.031	0.026
25	Sidewalk	TxDOT	W.W. White Rd. (Loop 13)	Seale Road	IH-10	2004	2005	0.336	0.283
26	Sidewalk	TxDOT	Grissom/Culebra (FM 471)	SH 16	Loop 1604	2003	2004	2.040	1.719
27	Sidewalk	TxDOT	Southcross Blvd.	S. New Braunfels to S. Presa St.	S. Presa St.	2005	2004	0.107	0.090
28	Sidewalk	TxDOT	Hunt Lane	Marbach to US 90	US 90	2004	2004	0.273	0.230
29	Sidewalk	Federal	Isom	Ramsey	US 281	2004	2004	0.084	0.071
30	Sidewalk	COSA	Roland (US 87)	IH 10	Rigsby Avenue	2004	2005	0.100	0.084
31	Sidewalk	COSA	SH 218 (Pat Booker Road)	Loop 1604	FM 78	2004	2005	0.998	0.841
32	Sidewalk	COSA	Sunset	Jones Maltsberger	Teak	2004	2005	0.135	0.114
33	Sidewalk	Bexar Co.	Kitty Hawk Rd	Miller Rd.	Converse City Limits	2004	2005	0.070	0.059
34	Bikeway	COSA	UTSA to OLLU Corridor	Houston St.	24th St.	2004	2005	0.507	0.427
35	Bikeway	Bexar Co.	Crestway	Miller Road	New World	2004	2005	0.070	0.059
36	Sidewalk	Bexar Co.	New World	Crestway	Miller Road	2004	2005	0.026	0.022
37	Bike racks	COSA		Various Locations		2004	2005	0.000	0.000
38	Sidewalk	Bexar Co.	Crestway Drive	New World	Windcrest City Limits	2004	2005	0.060	0.051
39	Sidewalk	COSA	E. Houston	Pine	Walters	2004	2006	0.060	0.050
40	Bike Lane	COSA	Ingram	Callaghan	Benrus	2004	2007	0.215	0.181
41	Bike Lane	Univ City	SH 218	Loop 1604	FM 78	2004	2004	0.928	0.782
42	Sidewalk	COSA	Flores, S	0.6 Mi N of Malone	Octavia	2005	2006	0.191	0.161

I. TERMS projects already completed

	Project Type	Agency	Project Name	From	To	Let Date	Completion Date	VOC (lbs/day)	NOx (lbs/day)
43	Bike Lane	COSA	SAC to CBD	Howard	4th	2001	2001	0.082	0.069
44	Bike Lane	COSA	Montana/Nevada	Cherry	Meerscheidt	2001	2001	0.040	0.034
45	Bike Lane	COSA	N.Zarzamora	Nogalitos	Theo	2001	2001	0.158	0.133
46	Bike Lane	COSA	N. St. Mary's	Lexinton	Huisache	2001	2001	0.199	0.168
47	Bike Lane	COSA	Callaghan	Old Highway 90	New HWY 90	2001	2001	0.128	0.108
48	Bike Lane	COSA	S. Zarzamora	SW Loop 410	IH 35	2001	2001	0.338	0.285
49	Bike Lane	COSA	Caliza	Encino Rio	Evans Rd.	2001	2001	0.061	0.052
50	Bike Lane	COSA	UTSA to SAC	Buena Vista	San Pedro	1999	1999	0.299	0.252
51	Bike Lane	COSA	Les Harrison	Culebra	Dover Ridge	2000	2000	0.313	0.264
52	Bike Lane	COSA	Josephine Grayson	Broadway	New Braunfels	2000	2000	0.085	0.072
53	Bike Lane	COSA	Walters	Fair Ave.	Rigsby Avenue	2000	2000	0.235	0.198
54	Bike Lane	COSA	Villaret	Zarzamora	Hwy 16	2000	2000	0.074	0.062
55	Sidewalk	COSA	Rice Reconstruction	W. W. White	Semlinger	2004	2005	0.033	0.028
56	Sidewalk	Comal Co.	New Braunfels	LP 337	0.8 KM N of Walnut Ave.	2004	2005	0.197	0.166
57	Side walk	COSA	Gen McMullen	Roselawn	Commerce	1999	1999	0.664	0.560
58	Bike Path	COSA	Avenue B (Bicycle Lanes)	Mulberry	Brackenridge	2000	2000	0.095	0.080
59	Bike Path	COSA	Montana Street Bike Lane	Alamodome	Walters	2001	2001	0.018	0.016
60	Bike Path	COSA	Villaret Bicycle Transportation	W. Villaret	E. Villaret	2001	2001	0.107	0.090
61	Bike Path	COSA	Zarzamora Bike Lane	IH 35	Loop 410	2001	2001	0.000	0.000
62	Sidewalk	COSA	Mckay	(400 Block)	(500 Block)	2001	2001	0.008	0.006
63	Sidewalk	COSA	Harvard Terrace	Yale	University	2001	2001	0.001	0.001
64	Side walk	COSA	Dell Place Drainage Project	North Freeman	(dead end)	2001	2001	0.000	0.000
65	Sidewalk	COSA	Hardeman St Sidewalks	Mesquite	Hackberry	2001	2001	0.002	0.002
66	Sidewalk	COSA	Gevers-IH 10	Gevers	Southcross	2001	2002	0.131	0.110
67	Sidewalk	COSA	New Braunfels	Rigsby	Southcross/IH 37	2001	2001	0.278	0.234
68	Sidewalk	COSA	Henderson Pass Sidewalks	Thousand Oaks	Gold Canyon.	2001	2001	0.818	0.689
69	Sidewalk	COSA	Danbury Sidewalks:	Nacogdoches	Broadway	2002	2002	0.021	0.018
70	Sidewalk	COSA	Ray Bon Drive Sidewalks	Eisenhauer	Village Haven	2002	2002	0.031	0.026
71	Sidewalk	COSA	New Braunfels	IH 35	Grayson	2002	2002	0.068	0.057
72	Sidewalk	COSA	Pedestrian Bridge	War Horse	Trading Post	2002	2002	0.001	0.000
73	Sidewalk	COSA	Hoover Street	Nogalitos	Charlotte	2003	2003	0.003	0.002
74	Sidewalk	COSA	2003 NAMP Sidewalk	Mccullough	Mulberry	2004	2004	0.595	0.502
75	Sidewalk	COSA	Navajo Area Streets	(Navajo/Hutchins/Barlite)	(Navajo/Hutchins/Barlite)	2004	2004	0.159	0.134
76	Sidewalk	COSA	McCarty Sidewalks & Curbs	Lorene	Blanco	2004	2004	0.031	0.026
77	Sidewalk	COSA	Harris Storm Drainage	Alvarez	(Glass/Cass/Halstead)	2004	2005	0.038	0.032
78	Sidewalk	COSA	Kono	Gembler	Belgium	2005	2006	0.026	0.022
79	Sidewalk	COSA	Octavia	#63 Phase II	Part B	2005	2005	0.103	0.087
80	Sidewalk	COSA	La Manda	West Avenue	Buckeye	2006	2006	0.006	0.005
81	Sidewalk	COSA	Rosabell Street	Culebra	Inez	2006	2006	0.006	0.005
82	Sidewalk	COSA	Cincinnati	Fredericksburg	IH 10	2007	2005	0.019	0.016
83	Signal	TxDOT	US 281	At Borgfeld, Bulverde, Wilderness O	and Stone Oak Roads	2003	2004	3.797	2.327
84	Signal	Bexar Co.	Foster Road	Candlemeadow	4C	2005	2005	0.253	0.155

I. TERMS projects already completed

	Project Type	Agency	Project Name	From	To	Let Date	Completion Date	VOC (lbs/day)	NOx (lbs/day)
85	Signal	Bexar Co.	Foster Road	Summer Fest	4C	2005	2005	0.059	0.036
86	Signal	Comal Co.	SH46	HEB driveway		2001	2002	0.052	0.041
87	Signal	Comal Co.	FM 725	County Line Rd		2001	2002	1.003	0.788
88	Signal	Comal Co.	FM 3009	FM 2252 in Garden Ridge		2001	2002	0.575	0.452
89	Signal	New Braun.		Union	Common	2004	2004	0.075	0.059
90	Signal	Guadalupe Co.	FM 3009	Savana/Verde Dr.		2001	2004	2.097	1.488
91	Signal	Guadalupe Co.	SH46	US 90		2004	2007	1.165	0.827
92	Signal	Guadalupe Co.	FM 3009	IH 35E	0.21 Mi SE of IH 35	2004	2004	1.010	0.717
93	Intersection	TxDOT	Hunt Lane	Marbach	US 90	2004	2004	2.790	1.674
94	Intersection	TxDOT	Bitters	East of West Ave (W.of US 281)		2005	2005	5.529	3.317
95	Intersection	TxDOT	Wurzbach	Ironside	IH 10	2004	2006	6.251	3.751
96	Intersection	TxDOT	IH 10	IH 10 West at Huebner Road		2004	2006	4.664	2.798
97	Intersection	TxDOT	Loop 1604	SH 16	FM 1937	2004	2006	0.173	0.104
98	Intersection	TxDOT	Loop 1604	IH 35	SH 16	2004	2006	3.731	2.239
99	Intersections	COSA	James Park Development	Rittiman and Holbrook.		2005	2006	2.292	1.375
100	Intersections	COSA	West Ave	Larkspur	Silver Sands, Rhapsody and N	2000	2000	15.325	9.195
101	Intersections	COSA	Tezel	Tezel	Timber Path	2000	2000	3.168	1.901
102	Intersections	COSA	Broadway	Broadway	Wetmore Rd	2001	2001	2.044	1.227
103	Intersections	COSA	Southwest Craft Cntr	Navaro	Augusta	2004	2004	0.842	0.505
104	Park & Ride	VIA	Crossroads	IH-10W & Loop 410		1988	1988	2.039	1.718
105	Park & Ride	VIA	Ellis Alley	Chestnut & Center Street		1998	1998	4.166	3.511
106	Park & Ride	VIA	University	IH 10 W & Loop 1604		1993	1993	15.150	12.767
107	Park & Ride	TxDOT	Elmendorf	US 181 S. & Loop 1604		1981	1981	2.573	2.168
108	Park & Ride	privately owned	St. Hedwig	FM 1346 & Pittman Rd.		1988	1988	0.529	0.446
109	Park & Ride	VIA	Randolph Blvd	IH 35 N & Crestway		1980	1980	3.038	2.560
110	Transit CT.	VIA	Ingram	Ingram Road & Northwestern		1988	1988	0.547	0.461
111	Transit CT.	VIA	Kel-Lac	US 90 W. & Military Dr.		2004	2004	1.558	1.313
112	Grade Sep	TxDOT	Loop 1604	0.52 KM N of FM 471 (Culebra Rd.)	0.98 KM S of FM 471 (Culebra	2001	2003	17.896	10.738
113	Grade Sep	TxDOT	IH 410	SH 16	UPRR	2004	2006	3.722	2.233
114	Traffic Flow	TxDOT	Acme Road	Old Highway 90		1999	2001	0.622	0.207
115	Traffic Flow	TxDOT	Evers Rd.	N. of Glen Ridge	Daughtry Dr.	1999	2000	1.335	0.445
116	Traffic Flow	TxDOT	FM 2522 (Perrin Beitel)	IH 410		1999	2000	0.526	0.175
117	Traffic Flow	TxDOT	FM 78	Bexar Co. Ln.	FM 3009	1999	2002	2.653	0.884
118	Traffic Flow	TxDOT	Houston (FM 1346)	Pop Gunn		1999	2000	2.002	0.667
119	Traffic Flow	TxDOT	IH 10	0.2 mile South of Callaghan Road	0.2 mile South of N. Crossroad	1999	2005	27.854	9.285
120	Traffic Flow	TxDOT	SH 151	Callaghan Rd		1999	2004	0.335	0.112
121	Traffic Flow	TxDOT	Tezel	Timber Path		1999	2000	0.609	0.203
122	Traffic Flow	TxDOT	US 281	0.590 KM N of LP 1604	0.746 KM N of LP 1604	1999	2000	6.398	2.133
123	Traffic Flow	TxDOT	West Avenue	FM 1535 (NW Military Hwy)	IH 410	1999	2002	2.646	0.882
124	Traffic Flow	TxDOT	Wurzbach Parkway	Lockhill-Selma	FM 1535 (NW Military Hwy)	1999	2002	0.460	0.153
125	Traffic Flow	TxDOT	24th	Commerce	Culebra	2000	2001	2.353	0.784
126	Traffic Flow	TxDOT	Ackerman Rd.	IH 10	Dietrich	2000	2002	0.190	0.063

I. TERMS projects already completed

	Project Type	Agency	Project Name	From	To	Let Date	Completion Date	VOC (lbs/day)	NOx (lbs/day)
127	Traffic Flow	TxDOT	Hildebrand	IH-10	Breeden	2000	2003	2.767	0.922
128	Traffic Flow	TxDOT	Hildebrand	Hwy. 281		2000	2001	0.454	0.151
129	Traffic Flow	TxDOT	Huebner Road	Evers Road	Redbird Lane (E of city limit)	2000	2001	1.288	0.429
130	Traffic Flow	TxDOT	Lockhill Selma	George Road	Whisper Path	2000	2003	0.846	0.282
131	Traffic Flow	TxDOT	O'Connor Rd	Crosswinds	IH 35	2000	2003	3.418	1.139
132	Traffic Flow	TxDOT	Wetmore	At Broadway		2000	2001	0.203	0.068
133	Traffic Flow	TxDOT	Wurzbach Rd	0.6 Mi East of Ingram Rd	Leon Valley WCL	2000	2001	1.945	0.648
134	Traffic Flow	TxDOT	Coliseum Rd.	Belgium Rd.	IH 35	2001	2002	0.712	0.237
135	Traffic Flow	TxDOT	IH 410	Jackson-Keller Road	Honeysuckle Lane	2001	2005	42.811	14.270
136	Traffic Flow	TxDOT	IH 410	Honeysuckle Lane	Blanco Rd	2001	2005	25.183	8.394
137	Traffic Flow	TxDOT	Loop 345	Cinnamon Creek	USAA Blvd	2001	2002	0.136	0.045
138	Traffic Flow	TxDOT	Wurzbach Road	Crystall Hill	Crystall Hill	2001	2003	1.361	0.454
139	Traffic Flow	TxDOT	IH 35	Coliseum & Walters		2002	2004	0.053	0.018
140	Traffic Flow	TxDOT	IH 410	SH 151		2002	2006	0.009	0.003
141	Traffic Flow	TxDOT	Pleasanton	Southcross	Mayfield	2002	2004	0.981	0.327
142	Traffic Flow	TxDOT	Ralph Fair Rd. (FM 3351)	Fawn Mountain, Pimlico, Dietz-Elk	Fair Oaks Parkway	2002	2003	4.243	1.414
143	Traffic Flow	TxDOT	SH 151	0.22 Mi W of Callaghan Rd.	0.3 Mi E of IH 410	2004	2005	17.904	5.968
144	Traffic Flow	TxDOT	SH 151	0.3 Mi E of IH 410	1.0 Mi E of Loop 1604	2004	2004	19.142	6.381
145	Traffic Flow	TxDOT	Ironside	Wurzbach		2004	2005	0.326	0.109
146	Traffic Flow	TxDOT	Zarzamora	IH 410	Applewhite Road	2004	2005	1.999	0.666
147	Traffic Flow	TxDOT	Applewhite Road	Zarzamora	Watson Road	2004	2005	1.999	0.666
148	Traffic Flow	TxDOT	Loop 1605	FM 1937	IH 37	2004	2005	1.243	0.414
149	Traffic Flow	TxDOT	Military Dr., S.E. (LP 13)	Padre	Mission Rd 4C	2005	2006	0.486	0.162
150	Traffic Flow	Comal Co.	LP 337	0.16 KM N of BI 35-H	0.48 KM N of UPRR	2001	2002	3.446	1.378
151	Traffic Flow	Guadalupe Co.	SH 46	2.2 Mi S of FM 758 New Braunfels	Camp Willow Rd. (0.2 Mi S of F	2002	2002	5.878	2.177
152	Traffic Flow	Guadalupe Co.	FM 78	Bexar Co. Ln.	FM 3009	2002	2002	4.299	1.592
153	Traffic Flow	Wilson Co.	FM 1346	US 87 W of Lavernia	FM 775	2001	2002	1.400	0.560
154	Traffic Flow	Guadalupe Co.	SH 46	0.2 Mi S of FM 758	Comal Co line	2004	2004	4.219	1.562
155	Traffic Flow	COSA	Wurzbach Parkway Phase IV	Military Highway	Blanco Road	2002	2002	17.353	5.784
156	Traffic Flow	COSA	Wurzbach Rd:	Ingram Rd	Leon Valley	2002	2002	4.649	1.550
157	Traffic Flow	COSA	Hamilton	Guadalupe	Laredo	1999	1999	0.582	0.194
158	Traffic Flow	COSA	Wurzbach Rd @ Vance Jackson			1999	1999	2.227	0.742
159	Traffic Flow	COSA	Mitchell Street	Probandt	Presa	1999	1999	0.336	0.112
160	Traffic Flow	COSA	Valley Hi Drive	IH 410	Ray Ellison	1999	1999	0.412	0.137
161	Traffic Flow	COSA	Chipinque Drainage	General McMullen	Escuela	1999	1999	1.297	0.432
162	Traffic Flow	COSA	Zarzamora	Culebra	Commerce	1999	1999	2.705	0.902
163	Traffic Flow	COSA	Calaveras	Saunders	Guadalupe	1999	1999	0.568	0.189
164	Traffic Flow	COSA	Courtland Street	Mccullough	St. Mary's	1999	1999	0.424	0.141
165	Traffic Flow	COSA	Guadalupe Gardens Phase II			1999	1999	1.241	0.414
166	Traffic Flow	COSA	Chico/Knox/Margil			1999	1999	0.024	0.008
167	Traffic Flow	COSA	Folyn/Jersey/Custer/Orange			1999	1999	0.280	0.093
168	Traffic Flow	COSA	Travis	Zarzamora	Hamilton	1999	1999	0.566	0.189

I. TERMS projects already completed

	Project Type	Agency	Project Name	From	To	Let Date	Completion Date	VOC (lbs/day)	NOx (lbs/day)
169	Traffic Flow	COSA	Villa Coronado Streets, Phase III A			1999	1999	0.097	0.032
170	Traffic Flow	COSA	Mayfield	Somerset	Laredo Hwy	1999	1999	0.122	0.041
171	Traffic Flow	COSA	Hazel Drainage	Zarzamora	Brazos	1999	1999	0.751	0.250
172	Traffic Flow	COSA	Lillita	Gen. McMullen	Las Palmas	1999	1999	0.108	0.036
173	Traffic Flow	COSA	Advance & Brice			1999	1999	0.045	0.015
174	Traffic Flow	COSA	calle morelia drainage			1999	1999	0.095	0.032
175	Traffic Flow	COSA	Emory / Kentucky			1999	1999	0.120	0.040
176	Traffic Flow	COSA	26th Street	Travis	Culebra	1999	1999	0.147	0.049
177	Traffic Flow	COSA	Wurzbach Parkway Phase II			1999	1999	11.623	3.874
178	Traffic Flow	COSA	Keitha Area Streets Phase II			1999	1999	0.645	0.215
179	Traffic Flow	COSA	Muskogee	Acme	40th	1999	1999	0.080	0.027
180	Traffic Flow	COSA	Boehmer	Burbank Loop	S. Flores	1999	1999	0.014	0.005
181	Traffic Flow	COSA	Dewitt	IH 10	Fairmont	1999	1999	0.028	0.009
182	Traffic Flow	COSA	Claremont/Eleanor/Natalen, Ph I&Mahncke Ph IV			1999	1999	0.234	0.078
183	Traffic Flow	COSA	Lake Blvd/Woodlawn/Streets	Around Woodlawn Lake		1999	1999	2.077	0.692
184	Traffic Flow	COSA	S. Flores Drn #70-70a, Ph. II--Part 2			2000	2000	0.000	0.000
185	Traffic Flow	COSA	34th Street	Hwy 90	Castroville	2000	2000	0.064	0.021
186	Traffic Flow	COSA	27th	Culebra	Rivas	2000	2000	0.052	0.017
187	Traffic Flow	COSA	21st Street	Salinas	Poplar	2000	2000	0.268	0.089
188	Traffic Flow	COSA	Eastlawn Neighborhood Streets Phase II			2000	2000	0.435	0.145
189	Traffic Flow	COSA	Southlawn	Merida	Castroville	2000	2000	0.089	0.030
190	Traffic Flow	COSA	Madrid	Merida	Castroville Rd	2000	2000	0.025	0.008
191	Traffic Flow	COSA	Grandview Neighborhood Streets Ph. IIIA		(K Street)	2000	2000	0.047	0.016
192	Traffic Flow	COSA	Wurzbach Parkway Phase III			2000	2000	0.391	0.130
193	Traffic Flow	COSA	Glenmore		Kentucky	2000	2000	0.047	0.016
194	Traffic Flow	COSA	Villa Coronado Streets Phase IIIB			2000	2000	0.043	0.014
195	Traffic Flow	COSA	Arbor	Trinity	San Marcos	2000	2000	0.083	0.028
196	Traffic Flow	COSA	Fairdale	Rittiman	Bloomdale	2000	2000	0.323	0.108
197	Traffic Flow	COSA	Stahl Rd. #1038 Phase I	Fairway Oaks	Bulverde	2000	2000	0.273	0.091
198	Traffic Flow	COSA	Babcock & Hillcrest Intersection			2000	2000	1.364	0.455
199	Traffic Flow	COSA	Apple Valley	Haven Valley	Ray Ellison	2000	2000	0.141	0.047
200	Traffic Flow	COSA	Las Palmas	Charben	26th	2000	2000	0.129	0.043
201	Traffic Flow	COSA	Contour Dr / El Monte St			2000	2000	1.697	0.566
202	Traffic Flow	COSA	Evers Rd	Glenridge	Daughtry	2000	2000	1.424	0.475
203	Traffic Flow	COSA	Baylor St	San Pedro Ck.	Flores St.	2000	2000	0.010	0.003
204	Traffic Flow	COSA	Culebra Area Streets Phase II			2000	2000	0.901	0.300
205	Traffic Flow	COSA	Hildebrand @ 281			2000	2000	1.040	0.347
206	Traffic Flow	COSA	Lone Oak/Latimer:	F St	Brice	2001	2001	0.020	0.007
207	Traffic Flow	COSA	Rip Rap 69-Phiic Part 3			2001	2001	0.105	0.035
208	Traffic Flow	COSA	Ackerman	IH 10	Dietrich	2001	2001	0.216	0.072
209	Traffic Flow	COSA	Carson Street	Walters	Frank	2001	2001	0.077	0.026
210	Traffic Flow	COSA	Starcrest	Stuntman	Jones Maltzberger	2001	2001	0.081	0.027

I. TERMS projects already completed

	Project Type	Agency	Project Name	From	To	Let Date	Completion Date	VOC (lbs/day)	NOx (lbs/day)
211	Traffic Flow	COSA	Bobolink 96A	Storeywood	Deneice	2001	2001	1.828	0.609
212	Traffic Flow	COSA	Mahncke Area Streets, Phase II			2001	2001	0.752	0.251
213	Traffic Flow	COSA	Creswell	Houston	Deadend	2001	2001	0.024	0.008
214	Traffic Flow	COSA	Thorain	Buckeye	S.P. Railroad	2001	2001	0.039	0.013
215	Traffic Flow	COSA	Fred. Rd	Sandoval	Woodlawn	2001	2001	1.472	0.491
216	Traffic Flow	COSA	Hobart Street	Acme Rd	40th St	2001	2001	0.023	0.008
217	Traffic Flow	COSA	Lawton / Sw 41st Street			2001	2001	0.019	0.006
218	Traffic Flow	COSA	Orr	Suzette	Winkle	2001	2001	0.019	0.006
219	Traffic Flow	COSA	Fleming	Mayfield	Peabody	2001	2001	0.016	0.005
220	Traffic Flow	COSA	Evers Rd @ Wurzbach Rd Intersection			2001	2001	0.102	0.034
221	Traffic Flow	COSA	Capitol	Basse	San Angelo	2001	2001	0.010	0.003
222	Traffic Flow	COSA	Grandview Neighborhood Sts Ph IIIB	Pecan Valley	Amanda	2001	2001	0.020	0.007
223	Traffic Flow	COSA	Pace	Elmendorf	Brazos	2001	2001	0.139	0.046
224	Traffic Flow	COSA	Texas / Waverly Streets			2001	2001	0.527	0.176
225	Traffic Flow	COSA	Basse Road & San Pedro Intersection			2001	2001	1.625	0.542
226	Traffic Flow	COSA	Monterrey	36th	San Joaquin	2001	2001	0.467	0.156
227	Traffic Flow	COSA	Blueridge	Gen McMullen	27th	2001	2001	0.143	0.048
228	Traffic Flow	COSA	Rip Rap 69 - Ph IIC Part 3A			2001	2001	0.166	0.055
229	Traffic Flow	COSA	Callaghan:	Old Hwy 90	Commerce	2001	2001	1.021	0.340
230	Traffic Flow	COSA	Duval/Seguin:	Pierce	Walters	2001	2001	0.223	0.074
231	Traffic Flow	COSA	24th St:	Commerce	Culebra	2001	2001	0.236	0.079
232	Traffic Flow	COSA	Claremont/Eleanor/Natalen, Ph II			2001	2001	0.175	0.058
233	Traffic Flow	COSA	Strech	Chavaneaux	Malley Blvd	2001	2001	0.128	0.043
234	Traffic Flow	COSA	Indianola	Garfield	Camargo	2001	2001	0.008	0.003
235	Traffic Flow	COSA	Elsmere	Michigan	Capitol	2002	2002	0.021	0.007
236	Traffic Flow	COSA	Arbor	Trinity	San Marcos Ph II	2002	2002	0.029	0.010
237	Traffic Flow	COSA	Escalon St. #1008			2002	2002	0.051	0.017
238	Traffic Flow	COSA	S. Flores Drn #70-70A, Ph. II--Part 3			2002	2002	11.316	3.772
239	Traffic Flow	COSA	Octavia #63 Phase 1			2002	2002	0.678	0.226
240	Traffic Flow	COSA	Leonhardt Road @ Low Water Crossing			2002	2002	0.299	0.100
241	Traffic Flow	COSA	St. Marys Street -	Pereida	Roosevelt	2002	2002	0.841	0.280
242	Traffic Flow	COSA	Lockhill-Selma:	George	Whisper Path	2003	2003	0.731	0.244
243	Traffic Flow	COSA	39th Street #58m, Phase II A			2003	2003	0.871	0.290
244	Traffic Flow	COSA	Quintana Road Drainage #64 Extension			2003	2003	0.648	0.216
245	Traffic Flow	COSA	S. Flores:	Durango	Franciscan	2003	2003	1.269	0.423
246	Traffic Flow	COSA	Monticello:	S. Gevers	Hillje	2003	2003	0.095	0.032
247	Traffic Flow	COSA	Higgins Road:	Nacogdoches	Stahl	2003	2003	1.551	0.517
248	Traffic Flow	COSA	Hi Lions 80 Mod PIII & V			2004	2004	11.176	3.725
249	Traffic Flow	COSA	Bee Street:	Walters	Frank	2004	2004	0.030	0.010
250	Traffic Flow	COSA	Aransas:	Meerscheidt	Walters	2004	2004	0.077	0.026
251	Traffic Flow	COSA	Flores/Breeden/Beacon, Phase II			2004	2004	0.417	0.139
252	Traffic Flow	COSA	Mockert Street Area	Mockert, Forest,	(W. Lambert, Kline, Cass)	2004	2004	0.435	0.145

I. TERMS projects already completed

	Project Type	Agency	Project Name	From	To	Let Date	Completion Date	VOC (lbs/day)	NOx (lbs/day)
253	Traffic Flow	COSA	Pleasanton Road	Gillette	Loop 410	2004	2005	0.000	0.000
254	Traffic Flow	COSA	Northington	S.W. 36th	S.W. 35th	2004	2004	0.075	0.025
255	Traffic Flow	COSA	Fay Street / St Joseph:	Creighton	New Laredo Hwy, Part 1	2005	2005	0.264	0.088
256	Traffic Flow	COSA	Fay Street / St. Joseph:	Creighton	New Laredo Hwy, Part 2	2005	2005	0.000	0.000
257	Traffic Flow	COSA	Belgium:	Picarde	Sbc Parkway	2005	2005	0.137	0.046
258	Traffic Flow	COSA	El Monte	Blanco	San Pedro, Phase II	2005	2005	0.045	0.015
259	Traffic Flow	COSA	Lanark Drainage #92A, Phase 1			2005	2006	0.383	0.128
260	Traffic Flow	COSA	Larkspur	West Ave	Baltic	2005	2006	0.260	0.087
261	Traffic Flow	COSA	Sunset Ph I	Jones Maltsberger	Teak	2005	2006	1.014	0.338
262	Traffic Flow	COSA	Alamo	Durango	Cedar	2005	2006	0.328	0.109
263	Traffic Flow	COSA	Wurzbach Rd @ IH 10 Intersection			2005	2006	2.128	0.709
264	Traffic Flow	COSA	St. Marys Street	Alamo	Pereida	2005	2006	0.202	0.067
265	Traffic Flow	COSA	Duke Area Streets, Phase I			2006	2006	0.275	0.092
266	Traffic Flow	COSA	Culebra Area Streets Phase IV			2006	2006	0.288	0.096
267	Traffic Flow	COSA	Howard Drainage	Wildwood	El Monte	2006	2006	0.018	0.006
268	Traffic Flow	COSA	Ozark	Erskine	Williamsburg	2006	2006	0.064	0.021
269	Traffic Flow	COSA	Semlinger Road	Lord	Rigsby	2006	2005	0.434	0.145
270	Traffic Flow	COSA	Redland Road Improvements	Redland Woods	Jones Maltsberger	2007	2006	2.516	0.839
271	Traffic Flow	Bexar Co.	Lakeview Drive	Woodlake Parkway	Foster Road	2006	2005	0.460	0.150
272	Traffic Flow	Bexar Co.	Wiseman Road	Loop 1604 west	Talley Road.	2004	2006	5.350	1.780
273	Traffic Flow	Bexar Co.	Applewhite Road	Watson Road	Loop 1604.	2004	2005	9.473	3.158
274	TMS	TxDOT	IH 35	FM 1976 (Walzem Road)	New Braunfels Ave.	1999	1999	151.37	50.46
275	TMS	TxDOT	US 90	0.8 Mi W. of IH 410	Loop 353 Nogalitos	1999	1999	89.898	29.966
276	TMS	TxDOT	IH 35	Guadalupe County Line NE	1.77 KM N of FM 1976 (Frat In	2000	2000	41.339	13.780
277	TMS	TxDOT	IH 36	1.77 KM N. of FM 1976 (Fratt int.)	FM 1976 (Walzem)	2000	2000	30.396	10.132
278	TMS	TxDOT	IH 37	Loop 13	1.3 Mi S of US 181	2000	2000	9.089	3.030
279	TMS	TxDOT	IH 410	Callaghan Road	Fredericksburg Road	2000	2000	37.141	12.380
280	TMS	TxDOT	Loop 1604	0.8 KM W of Babcock Road	SH 16(N)	2000	2000	14.741	4.914
281	ITS	TxDOT	Loop 1604	On N and S frontage roads FM 1535	Bitters Rd	2001	2001	6.079	2.026
282	ITS	TxDOT	Loop 1604	3.21 KM E. of US 281 N.	1.61 KMN of FM 2252	1999	1999	52.434	17.478
283	ITS	COSA	Houston - Walters To Onslow	Onslow	New Braunfels	2003	2003	2.085	0.695

878.764 339.650

II. TERMS projects anticipated to complete by end of 2007, with given anticipated date of completion

	Project Type	Agency	Project Name	From	To	Let Date	Anticipated Completion	VOC (lbs/day)	NOx (lbs/day)
1	Sidewalk	COSA	Mayfield	Commercial	Zarzamora	2005	2007	0.024	0.020
2	Sidewalk	COSA	McCullough	Basse	RR Tracks	2005	2007	0.087	0.073
3	Sidewalk	COSA	Nakoma	@ US 281	4C	2005	2007	0.256	0.216
4	Bike path	COSA	Malone / Theo	Quintana	Concepcion Park	2004	2007	0.655	0.552

1.022 0.861

II. TERMS projects anticipated to complete by end of 2007, with given anticipated date of completion

Appendix B: TERMS

Project Type	Agency	CSJ Number	Project Name	From	To	Let Date	Completion Date	VOC (lbs/day)	NOx (lbs/day)
Traffic Flow	COSA	1082	Blanco Road	Blanco Road - Hildebrand	Summit Phase 1	2006	2007	3.602	1.201
Traffic Flow	COSA	792	Ansley Blvd Drainage #1091			2006	2007	0.139	0.046
Traffic Flow	COSA	809	Ave Maria Drainage			2006	2007	0.056	0.019
Traffic Flow	COSA	494	Goliad Rd	Pecan Valley	Military Drive	2006	2007	0.329	0.110
Traffic Flow	COSA	790	W. Craig	Elmendorf	Josephine Tobin	2006	2007	0.027	0.009
Traffic Flow	COSA	951	Woodlawn Ave:	San Antonio	Lake	2006	2007	0.199	0.066
Traffic Flow	COSA	1041	Marbach Phase I	Military	Pinn	2007	2007	0.654	0.218
Traffic Flow	Bexar Co.	NA	Braun Road	Loop 1604	FM 1560	2004	2007	1.600	0.530
Traffic Flow	Bexar Co.	NA	Bulverde Road	Smithson Valley	Hwy 281	2006	2007	0.300	0.100
Traffic Flow	Bexar Co.	NA	Foster Road	I-10	Binz-Engleman	2004	2007	2.160	0.720
Traffic Flow	Bexar Co.	NA	Kriewald Road	Hwy 90	Pue Road	2006	2007	0.140	0.050
Traffic Flow	Bexar Co.	NA	Pue Road	Kriewald Road	Sunset Place	2006	2007	0.660	0.220

10.888 4.150

III. TERMS projects anticipated complete by end of 2007, completion dates not yet given

Project Type	Agency	CSJ Number	Project Name	From	To	Let Date	Completion Date	VOC (lbs/day)	NOx (lbs/day)
Bikeway	COSA	915 12 289	Cincinnati	St. Mary's University	Navidad	2004	TBDL	0.189	0.159
Bikeway	COSA	915 12 290	Cincinnati / Ashby	Navidad	North St. Mary's St.	2004	TBDL	0.189	0.159
Bikeway	COSA	915 12 291	Alamo / Broadway Corridor	Josephine	The Alamo	2004	TBDL	0.297	0.251
Sidewalk	COSA	2708 1 27	Blanco Road (FM 2696)	Lockhill Selma	West Avenue	2004	TBDL	0.421	0.355
Grade Sep	TxDOT	253 4 112	US 281	Borgfeld Dr		2006	TBDL	17.896	10.738
Traffic Flow	TxDOT	521 4 237	IH 410	Interchange at US 281 Fr: US 281	Nacogdoches	1999	TBDL	6.472	2.157
Traffic Flow	TxDOT	2452 1 36	Loop 1604	0.6 KM N of Military Dr	US 90	2001	TBDL	10.960	3.653
Traffic Flow	TxDOT	2452 1 37	Loop 1604	1.6 KM N. of FM 471 (Culebra Rd)	0.6 KM N of Military Dr.	2001	TBDL	10.818	3.606
TMS	TxDOT	521 - 4 - 190	410 Upgrade to 10 lanes	Ingram Road	Callaghan Road	2006	TBDL	103.350	34.449

TBDL: To Be Determine Later

150.592 55.527

IV. TERMS projects anticipated complete post 2007

Appendix B: TERMS

	Project Type	Agency	CSJ Number	Project Name	From	To	Let Date	Completion Date	VOC (lbs/day)	NOx (lbs/day)
1	Sidewalk	COSA	915 12 353	Clark	Southcross	Hot Wells	2004	2008	0.073	0.062
2	Sidewalk	COSA	915 12 359	Hot Wells	IH 37	New Braunfels	2004	2008	0.016	0.013
3	Sidewalk	COSA	915 12 372	Woodlawn	Bandera	Maiden 4C	2005	2008	0.104	0.087
4	Sidewalk	COSA	915 12 393	Sunset	Teak	Broadway 4C	2005	2008	0.103	0.086
5	Sidewalk/bike	COSA	NA	Callaghan	Bandera	Horseshoe Bend	2007	2008	0.414	0.349
6	Intersection	TxDOT	72 12 175	IH 10	Callaghan Road		2004	2010	4.664	2.798
7	Intersection	TxDOT	72 8 112	IH 10	DeZavala Road		2004	2008	4.961	2.977
8	Traffic Flow	COSA	NA	36th ST.	US 90	Growdon	2007	2008	2.792	0.931
9	Traffic Flow	COSA	771	Florida	IH 37	St Marys	2006	2008	0.380	0.127
10	Traffic Flow	COSA	845	Sunset Ph II	Teak	Broadway	2006	2008	0.538	0.179
11	Traffic Flow	COSA	951	Woodlawn	Bandera	Maiden	2006	2008	0.114	0.038
12	Traffic Flow	COSA	1053	Stahl Road	O'connor	Judson	2007	2008	1.147	0.382
13	Traffic Flow	Bexar Co.	NA	Shaenfield Road	Loop 1604	FM 1560	2006	2008	0.180	0.060
14	Traffic Flow	Bexar Co.	NA	Borgfeld Road	Hwy 281	Timberline	2004	2008	2.750	0.920
15	Traffic Flow	Bexar Co.	NA	Woodlake Parkway	Binz-Engleman	FM 78	2006	2008	1.580	0.530
									19.816	9.539

APPENDIX C – BUSINESS OF AIR: RESULTS



The Greater San Antonio Chamber of Commerce
The Business of Air: Understanding Nonattainment
Evaluation Results
25 Respondents

1. What was your purpose for attending this event?
 - To promote a Downtown Free Bus Zone
 - Education/ More information/ Learning- 21
 - Obtain pulse of business opinion of air quality
 - Considering a bakery in Bexar County
 - Interest in IAQ for schools - 2

2. What other topics would you have included in this event?
 - Decreasing automobiles in the downtown area
 - Something on TCEQ's role/ Outlook for new emission sources (i.e., pending applications for permits at TCEQ) -2
 - Impacts on a personal level, health, and expenses
 - Roadway/TxDOT Projects
 - Correlation of San Antonio's growth increases and air pollution
 - Strong strategies for future/ More technical solutions - 2
 - CPS Energy "Windtricity" program and rebate programs
 - MPE "Build S.A." program
 - Input from the City and surrounding communities regarding their perspectives and action plans
 - More on IAQ -2

3. Are you interested in attending future events in this series?
 - Yes- 22
 - No- 0

4. What topics would be of interest to you at future series events?
 - A Downtown Free Bus Zone
 - Air permitting, and those listed below
 - More global technologies/ Technology options and impacts for improving air quality -2
 - Continued Progress to understand Action plans implemented in keeping S.A. in attainment
 - Waste, recycling, water quality, more air quality
 - Any and all environmental issues facing our region
 - Follow-up after ozone season
 - Establishing a coalition for improving air quality and provide specific education for business & public

- Specifics
- Water, waste management, traffic management, airport community interface, railroad & mass transit
- What technology or requirements could industry expect
- Actions employed and specific effects
- Water
- The environment & economic development
- Wellness
- IAQ
- Outlook for new emission sources (i.e., pending applications for permits at TCEQ)

5. What industry do you represent? Would you be interested in an event to discuss how air quality specifically impacts your industry?

- Retired
- Plastics Manufacturing
- Food manufacturing and transport
- Legal
- Title Insurance
- Light Rail
- USPS/ Yes
- Environmental Consulting-2 / (1 No)
- Environmental/ Geotechnical Engineering/ CM Testing
- City of San Antonio-3 / (1 Yes)
- Energy/ CPS -2
- Power generation -2
- Baking / Yes- Very interested
- Tourism
- School District-3 / (1 Yes)

6. Please mark any topics that you would be interested in discussing at future events:

- ✓ Cap & Trade- 8
- ✓ New Source Review- The Details- 13
- ✓ Stated Federal Regulations- 10
- ✓ Local Stakeholders' Participation in the SIP Process- 9
- ✓ Voluntary Efforts to Reduce Pollution- 13
- ✓ Other:
 - Downtown Free Bus Zone
 - SIP as a whole

7. Please rate the following:

		Excellent			Poor	
Convenience of location	Average: 4.318	5 -10	4 -9	3 -3	2	1
Food	Average: 3.833	5 -5	4 -11	3 -7	2 -1	1
Cost of the event	Average: 4.130	5 -8	4 -10	3 -5	2	1

Event overall Average: 4.429 5 -10 4 -10 3 -1 2 1

8. Other Comments:

- Would have liked copies of George Beatty’s presentation
- Can you send the Powerpoint presentations to the conference attendees? And we did not get a hard copy of Mr. Beatty’s presentation.
- Why don’t commercials (public education sources) address the public with the confidence that they can comprehend more technical data than they are given credit for? I believe if commercials, etc. would explain more about how ozone is formed, people would take it more seriously and feel as though they can contribute to making a difference. Some in the public don’t believe in air quality issues as a problem because they have not been properly educated.
- Very educational- great speakers!
- Presenters were very good
- Additional technical information and different industry specifics
- Good job!
- With the price of gas, why not coordinate with the gas company and offer discounted gas prices after 4 p.m.?

APPENDIX D – CLEAN AIR GAUGE

Clean Air Gauge

as of June 4, 2007



CleanAirDrive.com

2007 is a critical year for our region to meet federal air quality standards.
Help keep us out of the RED ZONE!
Find out how at CleanAirDrive.com

Fourth Highest Ozone Averages

2005

2006

2007

86 ppb

87 ppb

???

The Clean Air Gauge visually displays where we stand in meeting these federal standards. As ozone levels rise this summer, the Clean Air Gauge will indicate how close our region is to violation of federal air quality standards, indicated on the gauge as the RED ZONE. We invite all businesses and media interested in promoting air quality awareness to post this image on their website.

Contact Heather Willden (210-362-5303) for image posting instructions.
The gauge can be seen at: www.CleanAirDrive.com.