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6th Semi-Annual Report: The Early Action Compact for the San Antonio Region

December 2005

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 from July 2005 to December 2005. Several milestones were accomplished during this timeframe. These include the completion and submittal of the Emissions Trend Analysis, the decision not to develop a new modeling episode at this time, progress of the Alamo Clean Air Partnership and other public outreach efforts, and continuing progress in emissions inventory updates and air quality planning. Attached to this report are appendices for the outreach effort, Transport Emissions Reductions Measures (TERMs), Texas Emission Reduction Plan (TERP), and an Excel spreadsheet, completed as required by the EPA, containing the SIP control measures and their progress.

Related Reports: 5th Semi-Annual Report: The Early Action Compact for the San Antonio Region	**Distribution Statement:**	**Permanent File:** The Natural Resources / Transportation Department of the Alamo Area Council of Governments

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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 the requirement for the sixth semi-annual (July 2005 to December 2005) report for the San Antonio EAC region.

Emissions Inventory (EI) progress for this period includes the development and delivery of the Emissions Trend Analysis. The Emissions Trend Analysis was due as a deliverable to the Texas Commission on Environmental Quality (TCEQ) and EPA by September 30, 2005. The analysis showed downward trends in NOx and VOC in the San Antonio EAC region through the year 2012; the trends are based on the 1996, 1999, & 2002 EIs and the 2007 & 2012 projected EIs.

The Modeling milestone progress for this period included a decision on the need to develop another modeling episode and EI based on the Conceptual Model updates completed in April 2005. The decision not to pursue the development of another episode at this time was proposed by the AIR Technical Committee to the AIR Executive/Advisory committees, which later approved this decision. The decision was delivered to the TCEQ and the EPA by October 31, 2005.

Voluntary control strategy development continues with progress marked by the Clean Cities, Texas Emission Reduction Program (TERP), and Alamo Clean Air Partnership (ACAP) programs. The Alamo Area Clean Cities program celebrated: 1) "Beyond a Billion," displacing more than a billion barrels of petroleum with alternative fuels and 2) the opening of the first dual alternative fueling station, dispensing propane and E85. With the addition of the FY 2005 TERP 2nd round recommended projects for funding, the amount of NOx tons/day (tpd) estimated reductions exceeds the targeted 2 tpd by 0.43 tpd in the San Antonio region. The ACAP program continued to actively seek new partners; the program now contains seven partners, dedicated to improving air quality in the San Antonio region.

The Public Involvement milestone was met by newspaper, Internet, TV, and radio pieces on air quality and outreach efforts including group presentations and area events participation, including the Air Quality Health Fair, which was hosted by the Alamo Area Council of Governments.

Federal and State Compliance Milestones were also met during this period. EPA Region 6 signed the EAC SIP revisions on August 12, 2005.[1] This extended the deferred effective date for the 8-hour ozone National Ambient Air Quality Standards (NAAQS) for the San Antonio EAC region until December 31, 2006. The Final Rule became effective on September 28, 2005. An outline of this process is supplied under this section in the report body.

The San Antonio EAC region has successfully maintained steady progress in accomplishing EAC milestones from July to December 2005, ensuring proper development of the Clean Air Plan.

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[1] Federal Register (FR), Rules and Regulations, Vol. 70, No. 166, pp. 50988 – 50996, August 29, 2005. Available online: http://www.epa.gov/fedrgstr/EPA-AIR/2005/August/Day-29/a17038.pdf

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's 8-hour implementation rulemaking[2], 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 that are 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 sixth semi-annual progress report written for the San Antonio EAC.

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

- Completion & updates of emissions inventories as outlined in section b), Emissions Inventory;
- Completion & updates of 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.

[2] 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

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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).[3] The EAC MOA specifies the completion and delivery of an Emissions Trend Analysis utilizing National Emissions Trends (NET) Emissions Inventories (EI) by September 30, 2005. This and other 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 milestones of the Clean Air Plan. These analyses were formalized in the Emission Trend Analysis as required by the EAC in September 2005. AACOG staff developed the local 2002 NET EI, the basis of the Emissions Trend Analysis update due in September.

2.1.2 Emissions Trend Analysis

The Emissions Trend Analysis utilizes local 1996, 1999, and 2002 National Emissions Trend (NET) Emission Inventories (EI's) and the projected emissions inventories of 2007 and 2012. The Trend Analysis was completed and delivered to TCEQ and EPA by September 30, 2005. The VOC emissions estimates for the SAER are contained in Table 2–2; NOx emissions estimates are contained in Table 2–3. These emissions include estimates for anthropogenic sources used for the purpose of emissions trend analysis.

Table 2-1 Total VOC Emissions by EAC County and EI Year

County	VOC (tons/weekday)				
	1996	1999	2002	2007	2012
Bexar	233.9	200.8	155.2	146.2	142.4
Comal	20.8	13.1	12.9	12.5	11.7
Guadalupe	17.5	13.8	19.8	19.1	18.7
Wilson	5.7	5.8	7.9	6.5	6.3
Total	277.9	233.4	195.7	184.2	179.1

Table 2-2 Total NOx Emissions by EAC County and EI Year

County	NOx (tons/weekday)				
	1996	1999	2002	2007	2012
Bexar	191.7	246.4	196.7	156.9	122.0
Comal	21.4	28.0	27.0	24.6	21.2
Guadalupe	16.3	18.2	19.9	18.0	15.0
Wilson	6.8	4.7	4.3	3.7	3.2
Total	236.3	297.3	247.9	203.2	161.5

The resulting trend continues to decline after 2002 through 2012, in all four counties, due to the implementation of control strategies in the San Antonio region. Figure 2 – 1 contains the trend line in comparison to the increasing population of the region.

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

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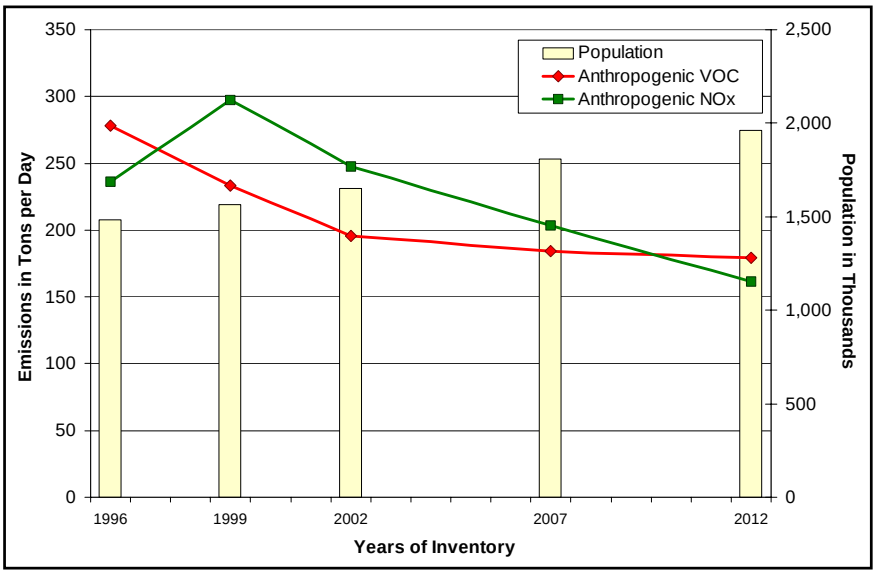
Figure 2 – 1 Emissions Trend with Population Estimates for the SAER



2.2 Modeling Milestones

Performing on-going modeling updates ensures that planners have the quality modeling products required for air quality planning activities. In addition, if updates to the Conceptual Model support arguments for development of other episodes as necessary to fully represent the variety of situations that typically contribute to local ozone production in the region, new episode development will be undertaken. The following sections describe modeling updates conducted during the period of this report.

2.2.1 Modeling Episode & EI Decision

According to EAC protocol,[4] a decision by local entities whether or not to develop an additional modeling EI & episode for the San Antonio region was necessary within six months of the April 30, 2005 Conceptual Model update. AACOG staff in collaboration with the TCEQ, the Near Nonattainment (NNA) partners, and the TexAQS II partners, recommended to the AIR Technical committee the decision ***not to pursue*** the development of another episode for modeling purposes at this time. The committee forwarded this recommendation to the AIR Executive/Advisory committees, which met on October 26, 2005 and approved the recommendation. This decision was forwarded to the TCEQ and EPA by the deadline of October 31, 2005.

2.3 Control Strategy Development Milestones

In addition to control measures for which SIP credit can be obtained, ***voluntary strategies*** are considered and implemented in the San Antonio region. These measures include programs such as Commute Solutions, Clean Cities, and employer promoted programs.

2.3.1 Clean Cities

The Alamo Area Clean Cities program continued to provide technical and outreach assistance about alternative fuels and Clean Cities technologies (fuel blends, idle reduction technologies, hybrids, and fuel economy) to fleets in the San Antonio Early Action Compact Region during the

[4] The "Protocol For Early Action Compacts Designed To Achieve And Maintain The 8-Hour Ozone Standard," or simply the Early Action Compact protocol, as quoted here is available online as: http://www.epa.gov/ttn/naaqs/ozone/eac/20020619_eac_protocol.pdf

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six-month reporting period, July - December 2005. There were 2 stakeholder meetings during this time on August 5, 2005 and October 7, 2005. In addition to these stakeholder meetings, the following events highlight this reporting period:

Clean Cities Redesignation
Members of the Alamo Area Clean Cities Coalition actively participated in the preparation of the Clean Cities Redesignation Application. Stakeholders provided voluntary commitments for inclusion in the application detailing their intentions on promoting the Clean Cities program, continuing their alternative fuel programs, and using the various Clean Cities technologies. US DOE finalized the approval of the redesignation application. The Redesignation Ceremony, held on November 16, formalized the entering into another Memorandum of Understanding by stakeholders and the US DOE.

Beyond a Billion Promotion
The Alamo Area Clean Cities celebrated the displacement of over one billion gallons of petroleum by alternative fuels technologies since the inception of the US DOE Clean Cities program. This accomplishment was showcased at the grand opening of the first dual alternative fueling station in Texas (discussed further below), where alternative fuel vehicles, hybrid electric vehicles, and flexible fuel vehicles were on display.

First Dual Alternative Fuel Station in Texas
On October 19, 2005, the first dual alternative fuel station was opened to the public at the Bexar County Fleet Maintenance Facility, located at 4023 IH 35N in San Antonio, TX. The fueling station dispenses propane and E85, which is also the first public E85 station to open in Texas. The station was constructed by CleanFUEL USA with a US DOE Clean Cities grant and was unveiled by Commissioner Tommy Adkisson. In attendance at this event were Bexar County, City of San Antonio, State Energy Conservation Office, and Texas Railroad Commission representatives, as well as representatives from local agencies.

Advancing the Choice
The Alamo Area Clean Cities hosted "Exhaust Reduction: Advancing Anti-Idling Initiatives" at the San Antonio Airport Hilton on October 20, 2005. This workshop addressed 1) idle reduction technologies, 2) initiatives that assist in the displacement of petroleum-based fuels, and 3) education of attendees on grant programs available from state and federal agencies to assist in the implementation of idle-reduction programs.

All outreach effort by the Alamo Area Clean Cities program are listed in Appendix B under various headers; these efforts include events, distributions, and meetings.

2.3.2 Alamo Clean Air Partnership

This project continues to aggressively seek partners in the community to commit to voluntary emission reduction efforts, implemented within the workplace or by an organization's employees. The program provides outreach, education, and technical assistance to polluting facilities in order to implement emission-reduction strategies. Participating companies/agencies benefit from recognition through media and other outlets for their environmental stewardship through awards programs.

Current ACAP Partners
City of San Antonio
H-E-B Grocery Company
Raba-Kistner Consultants, Inc.
San Antonio Water System

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USAA
Alamo Area Council of Governments
Valero Energy Corporation

All outreach efforts for the ACAP program are listed in Appendix B under the headers: *Alamo Clean Air Partnership (ACAP) Efforts* and *Informational Materials and Distributions for All Outreach Efforts by AACOG.*

2.3.3 Texas Emission Reduction Plan

AACOG staff continues to vigorously promote the Texas Emissions Reduction Plan (TERP), created in 2001 by Texas Senate Bill 5. When finalizing the local revisions to the SIP, in compliance with the EAC, local elected officials requested a 2-ton per day reduction of NOx emissions in the 4-county SAER through local TERP projects.

The TERP FY 02 – FY 04 List of Grants to Date,[5] posted January 19, 2005 estimated 0.7114 tpd in NOx reductions. On July 12, 2005, the list-to-date of FY05 1st Round Grants Recommended For Funding (Appendix A) was posted[6], which would provide an estimated reduction of 0.7334 tpd. The 2nd Round List of Applicants Recommended for Funding for the Emission Reduction Incentive Grants (Appendix A) was posted[7] on August 5, 2005 and estimates NOx reductions at 0.9858 tpd. These lists contain the following organizations and pledged tpd NOx reduction for the FY 2005 period:

FY 2005 1st Round:

- Ray Faris Inc - 0.0028
- Hunter Demolition & Wrecking Corp. - 0.0079
- Martin Marietta Materials SW Ltd - 0.1544
- Wm Greer Construction Co. Inc - 0.0013
- Cibolo Waste Inc - 0.0115
- Dean Word Company Ltd - 0.0038
- City Public Service Of San Antonio - 0.0087
- Helotes Materials - 0.0428
- Capitol Aggregates - 0.0760
- Alamo Backhoe Services Inc - 0.0005
- Comal Auto Transport - 0.0181
- Idleaire Technologies Corporation - 0.2535
- B H Trujillo & Sons Transportation - 0.0144
- Block Distributing Company - 0.0122
- Bfi Waste Services Of Texas LP - 0.0353
- Comal Independent School District - 0.0079
- David Friesenhahn - 0.0654
- Dean Word Company Ltd - 0.0100
- San Antonio Constructors Ltd - 0.0069

⇒ TOTAL Projected NOX Reductions = 0.7334

FY 2005 2nd Round:

- Bill Hall Jr Trucking Company - 0.0080
- Timms Trucking & Excavating LTD - 0.0098
- Union Pacific Railroad Company - 0.4942
- Alamo Gulf Coast Railroad - 0.0143
- Weisman Equipment CO LTD - 0.1067
- MCCI Ready Mix Concrete LTD - 0.0013
- Bruce Brent Nicholson - 0.0073
- Leonard Abbott - 0.0082
- Dean Word Company LTD - 0.0516
- Dean Word Company LTD - 0.0254
- Ingram Ready Mix INC - 0.2517
- Cristoval R Silva - 0.0073

⇒ TOTAL Projected NOx Reductions = 0.9858

NOx Reductions to meet the targeted 2 tpd NOx:

Targeted Tons	2.0000
FY 02- FY 04	(0.7114)
FY 05 1st Round	(0.7334)
FY 05 2nd Round	(0.9858)
Exceeds Target by	**(0.4306)**

2.3.4 Texas Emission Reduction Measures (TERMs)

[5] Avalable online: http://www.tceq.state.tx.us/assets/public/implementation/air/terp/erig/area_listing.xls
[6] Available online: http://www.tceq.state.tx.us/assets/public/implementation/air/terp/erig/2005_1st_round_selections_area.xls
[7] Available online: http://www.tceq.state.tx.us/assets/public/implementation/air/terp/erig/FY05R2_recommended_grants_es.xls

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TERMs projects include projects listed on the San Antonio MPO 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.

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. No further update is required at this time.

2.4.2 New Strategy Requirements

As prescribed in the Early Action Compact protocol, if at any time the review of growth demonstrates that adopted control measures are inadequate to address growth in emissions, additional measures will be added to the plan. If analysis indicates that additional control measures are necessary to reach attainment by 2007 through a review of growth, they will be verified using the current attainment demonstration photochemical model and adopted according to the public review process overseen by the Air Improvement Resources Committee. If a review of growth indicates additional control measures are necessary to maintain attainment through 2012, AACOG staff will work with the TCEQ and EPA to analyze control strategies based on then-currently available photochemical models. Appropriate control strategies will be adopted according to the public review process overseen by the Air Improvement Resources Committee.

To date, as illustrated in the Trend Analysis section, review of growth and emissions inventory patterns does not support a call for additional measures enacted locally.

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

Local media efforts have played an important role in notifying the public about the development of the Clean Air Plan as well as in educating the public on the state of the region's air quality and how air quality affects respiratory health. Television, radio, newspapers, and websites have been avenues through which information about the Clean Air Plan and the four counties' air quality has been dispersed. Press releases and public service announcements have been and will continue to be utilized to educate the public.

From July through December 2005, there were 75 weather forecast television pieces that included Air Quality Health Alert (AQHA) day announcements, 3 television pieces, 2 radio

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pieces, 5 remote radio dates, 75 weather forecast radio pieces that included AQHA day announcements, 2 newspaper/Internet piece regarding the Clean Air Plan and air quality issues, and 75 newspaper AQHA day announcements. During this time, there were also 4 press releases.

2.5.2 Other Outreach Efforts

Non-media related outreach efforts continue. Between July and December 2005, six governmental, private, and/or civic group presentations have been provided. In the same time period, AACOG staff provided presentations to nine area schools/ universities and one independent school district (ISD).

Whenever possible, AACOG coordinates and/or participates in public events; such events allow AACOG staff to educate citizens on how everyday actions contribute to air pollution and that alternate methods of doing the same tasks can help reduce emissions. During this time period, AACOG participated in twenty events, hosting one of these.

Additionally, AACOG maintains an air quality website, which is updated weekly and provides a wealth of information on air quality issues. All websites relating to air quality issues or containing air quality information in the San Antonio EAC region are listed in Appendix B, under the header: *Websites for Public Viewing*.

In efforts to increase knowledge on air quality topics of the general public, AACOG 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 B under the header "Informational Materials and Distributions for All Outreach Efforts through AACOG."

Adopt-a-School Bus Program

AACOG is promoting and coordinating the Adopt-A-School Bus program, which is a cooperative partnership established to aid non-attainment area school districts in replacing their aging diesel school buses with new "clean fuel" buses. This goal will be achieved by educating school districts and corporations about the benefits of replacing older diesel buses with lower emission "clean fuel" buses. Efforts at reducing the emission capacity of school buses could also involve the combination of replacing and retrofitting buses with new technology to achieve NO_x and PM reductions and the possible use of low-sulfur fuel.

Commute Solutions Program

The Commute Solutions program is a matching service designed to reduce the number of single occupancy vehicles (SOVs) by offering participants alternative forms of transportation, such as RideSharing (carpooling, vanpooling, & SchoolPooling), Bike Buddies, and Walking School Bus (WSB). Below is the current list of organizations participating in the matching services. In parentheses is the number of organizations who have participated, at one time or another.

Carpooling (9)

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

SchoolPool (12) & Walking School Bus (WSB) where indicated (3)

- Northeast School of Arts
- International School of the Americas

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- San Antonio PREP & EDGE (summer only)
- Candlewood Elementary (WSB, too)
- Evers Elementary (WSB, too)

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. These workshops, in addition to all the regularly scheduled Air Improvement Resources (AIR) Executive/Advisory Committee meetings, provide a solid basis for public education, process access and comment.

2.6 State and Federal Compliance Milestone

This section contains a summary list by dates, describing the status of required state or federal actions in the EAC process. The bolded dates occurred during the timeframe of this report, July – December 2005.

Summary List of required state or federal actions in the EAC process:

- December 31, 2002 – Entered into Early Action Compact agreement
- April 30, 2004 – Final designation rule published (69 FR 23858). Effective date was deferred until September 30, 2005.
- November 17, 2004 – TCEQ adopted the San Antonio proposed State Implementation Plan (SIP) revisions, including the attainment demonstration and control strategies proposed under the EAC. The state completed approval prior to the deadline of Dec. 31, 2004 for SIP revisions required of states under the Early Action Compact.[8]
- December 31, 2004 – EPA Deadline for SIP revisions required for the state under the EAC.
- March 29, 2005 – Final Rule on VOC rules[9] for Stage I and degreasing equipment. *The Effective date was on May 31, 2005*.[10]
- May 12, 2005 – Proposed rule: SIP revisions to include TERP.[11]
- June 22, 2005 – Federal Register published, "Texas: Attainment Demonstration for the San Antonio Early Action Compact Area."[12] Publication of this final rule represents the final step in the formal process of approving the initial Clean Air Plan for the San Antonio region.
- **August 19, 2005** – Final Rule published for the SIP revisions to include TERP. *The Effective date was on September 19, 2005.*[13]

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[8] TCEQ, "TCEQ Adopts the Austin, San Antonio, and Northeast Texas EAC SIPs and Ch. 114 & 115 Rules." Available online: http://www.tnrcc.state.tx.us/oprd/sips/june2004eac_EDrec.html

[9] Texas Administrative Code (TAC) revisions (also represented revisions to the Texas State SIP), available online: http://info.sos.state.tx.us/pls/pub/readtac$ext.ViewTAC)

[10] FR, Rules and Regulations, Vol. 70, No. 59, pp. 15769 – 15774, March 29, 2005. Available online: http://www.epa.gov/fedrgstr/EPA-AIR/2005/March/Day-29/a6196.htm

[11] FR, Rules and Regulations, Vol. 70, No. 91, pp. 25008 – 25010, May 12, 2005. Available online: http://www.epa.gov/fedrgstr/EPA-AIR/2005/May/Day-12/a9480.htm

[12] http://docket.epa.gov/rmepub/do/ROMStaffCollectionDetailView?objectId=0b0007d68004c8d6

[13] FR, Rules and Regulations, Vol. 70, No. 160, pp. 48647 – 48650, August 19, 2005. Available online: http://www.epa.gov/EPA-AIR/2005/August/Day-19/a16487.htm

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- **August 22, 2005** – Final Rule published for the "Approval and Promulgation of Air Quality Implementation Plans; Texas; Attainment Demonstration for the San Antonio Early Action Compact Area.[14]
- **August 29, 2005** – Final Rule published extending the deferred effective date for the EAC regions from September 30, 23005 until December 31, 2006. *The effective date of this rule was September 28, 2005.*

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[14] FR, Rules and Regulations, Vol. 70, No. 161, pp. 48877 – 48880, August 22, 2005. Available online: http://www.epa.gov/fedrgstr/EPA-AIR/2005/August/Day-22/a16475.pdf

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.*[15] The region will continue to comply with the milestones as required.

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[15] 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

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APPENDIX A – SAN ANTONIO AREA TERP AWARDS

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TEXAS COMMISSION ON ENVIRONMENTAL PLANNING

TEXAS EMISSIONS REDUCTION PLAN (TERP)

EMISSIONS REDUCTION INCENTIVE GRANTS

FY05 1ST ROUND GRANTS RECOMMENDED FOR FUNDING (sort by area)

as of 7/12/2005

	Application Number	Applicant Name	Project Description	Primary Area	Grant Amount	Project Cost	Projected NOx Reductions (tons)	Projected Tons Per Day of NOx Reduced 2007 (tpd)	Projected Cost Per Ton of NOx Reduced	Project Type	Emission Source	Project Life	# of Activities
1	20051027	TEXAS LEHIGH CEMENT COMPANY, LP	REPLACE ONE RUBBER TIRE LOADER	AUSTIN	$259,184.54	$396,765.37	41.7213	0.0238	$6,212.28	REPLACEMENT	NON-ROAD	7	1
2	20051203	AUSTIN BRIDGE & ROAD LP	REPLACE 1 COLD MILLING MACHINE	AUSTIN	$71,121.73	$483,780.00	14.4232	0.0115	$4,931.07	REPLACEMENT	NON-ROAD	5	1
3	20051147	KBJ PARTNERSHIPS	REPLACE 1 TRACK LOADER	AUSTIN	$33,229.42	$194,446.86	6.1262	0.0035	$5,424.18	REPLACEMENT	NON-ROAD	7	1
4	20051142	AUSTIN ENGINEERING COMPANY INC	REPLACE 1 WHEEL LOADER	AUSTIN	$23,833.08	$114,150.00	3.4573	0.0028	$6,893.64	REPLACEMENT	NON-ROAD	5	1
5	20051139	K & K ENTERPRISES	REPLACE 3 WHEEL LOADERS	AUSTIN	$42,403.05	$283,772.77	3.6906	0.0030	$6,999.98	REPLACEMENT	NON-ROAD	5	3
6	20051131	K B J PARTNERSHIP	REPLACE ONE WHEEL LOADER	AUSTIN	$30,804.64	$103,150.00	4.4686	0.0036	$6,893.64	REPLACEMENT	NON-ROAD	5	1
7	20051121	SKINNER TRANSPORTATION INC	REPLACE 10 TRUCKS	AUSTIN	$131,700.00	$817,300.00	25.8107	0.0206	$5,102.53	REPLACEMENT	ON-ROAD	5	10
8	20051120	BLAIR TRUCKING INC	REPLACE 3 TRUCKS	AUSTIN	$121,675.00	$291,000.00	17.3824	0.0139	$6,999.90	REPLACEMENT	ON-ROAD	5	3
9	20051132	JACKSON TRUCKING	REPLACE 1 ON-ROAD TRUCK	AUSTIN	$89,000.00	$98,000.00	15.5181	0.0124	$5,735.22	REPLACEMENT	ON-ROAD	5	1
10	20051136	RAY MCEACHERN	REPLACE 7 ON-ROAD TRUCKS	AUSTIN	$99,000.00	$302,443.00	24.659	0.0197	$4,014.77	REPLACEMENT	ON-ROAD	5	7
11	20051075	ERNEST JUAREZ	REPLACE 2 HAUL TRUCKS	AUSTIN	$54,000.00	$96,632.00	10.9167	0.0087	$4,946.55	RE-POWER	ON-ROAD	5	2
12	20051195	HAYS CONSOLIDATED INDEPENDENT SCHOOL DISTRICT	REPLACE 11 SCHOOL BUSSES	AUSTIN	$79,345.38	$674,839.00	11.3351	0.0065	$7,000.00	REPLACEMENT	ON-ROAD	7	11
13	20051305	COORS OF AUSTIN LP	REPLACE 10 TRUCKS	AUSTIN	$80,180.25	$600,000.00	11.4543	0.0065	$7,000.00	REPLACEMENT	ON-ROAD	7	10
14	20051054	CAPITAL METROPOLITAN TRANSPORTATION AUTHORITY	RE-POWER 36 URBAN BUSSES	AUSTIN	$428,852.16	$2,361,132.00	362.0303	0.2069	$1,184.58	RE-POWER	ON-ROAD	7	36

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15	20051045	CITY OF AUSTIN	SLOW FILL & FAST FILL CNG REFULING STATION FOR CITY REFUSE TRUCKS	AUSTIN	$205,000.00	$400,000.00	29.303	0.0080	$6,995.88	REFUELING INFRASTRUCTURE	ON-ROAD	10	2
16	20051043	BFI WASTE SERVICES OF TEXAS LP	REPLACE 6 ON-ROAD TRUCKS	AUSTIN	$60,777.98	$680,482.00	13.5061	0.0077	$4,500.04	REPLACEMENT	ON-ROAD	7	6
	AUSTIN TOTALS				**$1,810,107.23**	**$7,897,893.00**	**595.8029**	**0.3592**	**$3,038.10**				
1	20051125	SABINE PILOTS SERVICE INC	RE-POWER 2 PILOT BOATS ONE WITH TWO PROPULSION ENGINES AND ONE GENERATOR & ONE WITH TWO PROPULSION ENGINES AND TWO GENERATORS	BEAUMONT/PORT ARTHUR	$594,938.00	$828,888.00	124.2387	0.0994	$4,788.67	RE-POWER	MARINE	5	6
2	20051300	SEABULK INTERNATIONAL	RETRO-FIT/ADD-ON OF MARINE VESSELS	BEAUMONT/PORT ARTHUR	$528,000.00	$528,000.00	164.7402	0.1318	$3,205.05	RETRO-FIT/ADD-ON & RE-POWER	MARINE	5	4
3	20051091	MARINE FUELING SERVICES INC	RE-POWER 7 TUG BOATS, 1 WITH 2 MAIN AND 1 AUX ENGINES, 6 WITH 2 MAIN & 2 AUX ENGINES, TOTAL OF 27 ENGINES	BEAUMONT/PORT ARTHUR	$1,859,383.00	$1,965,683.00	695.7762	0.5566	$2,672.39	RE-POWER	MARINE	5	27
4	20051299	MORAN TOWING OF TEXAS	RETRO-FIT/ADD-ON OF MARINE VESSELS	BEAUMONT/PORT ARTHUR	$528,000.00	$528,000.00	164.7295	0.1318	$3,205.25	RETRO-FIT/ADD-ON	MARINE	5	2
5	20051214	MONCLA WELL SERVICE INC	REPLACE 1 DRILLING RIG PUMP	BEAUMONT/PORT ARTHUR	$14,012.47	$20,500.00	7.0062	0.0056	$2,000.00	REPLACEMENT	NON-ROAD	5	1
6	20051211	MONCLA WELL SERVICE INC	REPLACE 1 DRILLING RIG PUMP	BEAUMONT/PORT ARTHUR	$18,470.98	$20,000.00	12.314	0.0099	$1,500.00	REPLACEMENT	NON-ROAD	5	1
7	20051206	MONCLA WELL SERVICE INC	REPLACE 1 PUMP ENGINE ON A RIG	BEAUMONT/PORT ARTHUR	$18,470.98	$20,000.00	12.314	0.0099	$1,500.00	REPLACEMENT	NON-ROAD	5	1
8	20051212	MONCLA WELL SERVICE INC	REPLACE 1 DRILLING RIG PUMP	BEAUMONT/PORT ARTHUR	$19,320.22	$20,500.00	9.6601	0.0077	$2,000.00	REPLACEMENT	NON-ROAD	5	1
9	20051210	MONCLA WELL SERVICE INC	REPLACE 1 PUMP ENGINE ON A RIG	BEAUMONT/PORT ARTHUR	$19,320.22	$20,500.00	9.6601	0.0077	$2,000.00	REPLACEMENT	NON-ROAD	5	1
10	20051209	MONCLA WELL SERVICE INC	REPLACE 1 PUMP ENGINE ON A RIG	BEAUMONT/PORT ARTHUR	$14,012.47	$20,500.00	7.0062	0.0056	$2,000.00	REPLACEMENT	NON-ROAD	5	1

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11	20051105	EASTHAM FORGE INC	REPLACE 1 FORKLIFT	BEAUMONT/PORT ARTHUR	$29,879.13	$53,515.00	4.2684	0.0034	$7,000.00	REPLACEMENT	NON-ROAD	5	1
12	20051014	MONCLA WELL SERVICE INC	REPOWER OF 1 WORKOVER RIG	BEAUMONT/PORT ARTHUR	$20,379.60	$32,627.82	5.0949	0.0041	$3,999.97	RE-POWER	NON-ROAD	5	5
13	20051213	MONCLA WELL SERVICE INC	REPLACE 1 DRILLING RIG PUMP	BEAUMONT/PORT ARTHUR	$14,012.47	$20,500.00	7.0062	0.0056	$2,000.00	REPLACEMENT	NON-ROAD	5	1
14	20051055	CITY OF BEAUMONT	1 CNG REFUELING INFRASTRUCTURE	BEAUMONT/PORT ARTHUR	$472,600.00	$6,524,500.00	95.6456	0.0218	$4,941.16	REFUELING INFRASTRUCTURE	ON-ROAD	12	22
15	20051019	SHEPHERD'S UNIFORM & LINEN SUPPLY COMPANY INC	REPLACE 3 ON-ROAD TRUCKS	BEAUMONT/PORT ARTHUR	$15,878.31	$159,000.00	2.2684	0.0013	$6,999.78	REPLACEMENT	ON-ROAD	7	3
16	20051044	BFI WASTE SERVICES OF TEXAS LP	REPLACE 5 ON-ROAD TRUCKS	BEAUMONT/PORT ARTHUR	$176,366.26	$609,323.00	39.1924	0.0224	$4,500.01	REPLACEMENT	ON-ROAD	7	5
17	20051092	REVIA TRUCKING LLC	REPLACE 26 ON-ROAD TRUCKS	BEAUMONT/PORT ARTHUR	$976,000.00	$2,315,326.00	199.5784	0.1597	$4,890.31	REPLACEMENT	ON-ROAD	5	26
18	20051208	MONCLA WELL SERVICE INC	REPLACE 1 PUMP ENGINE ON A RIG	BEAUMONT/PORT ARTHUR	$18,470.98	$20,000.00	12.314	0.0099	$1,500.00	REPLACEMENT	ON-ROAD	5	1
	BPA TOTALS				**$5,337,515.09**	**$13,707,362.82**	**1572.8135**	**1.1941**	**$3,393.61**				
1	20051197	JETTY BOAT INC	REPOWER OF MARINE ENGINE	CORPUS CHRISTI	$32,536.00	$32,536.00	6.7846	0.0054	$4,795.56	RE-POWER	MARINE	5	1
2	20051129	G & S MARINE INC	RE-POWER TWO PROPULSION ENGINES AND ONE GENERATOR	CORPUS CHRISTI	$65,267.00	$65,267.00	21.2073	0.0170	$3,077.57	RE-POWER	MARINE	5	3
3	20051128	SIGNET MARITIME CORPORATION	RE-POWER 12 ENGINES ON 3 PUSH BOATS TWO PROPULSION ENGINES AND ONE GENERATOR EACH, AND REPLACE ONE PUSH BOAT	CORPUS CHRISTI	$790,429.00	$1,624,590.00	249.4999	0.1996	$3,168.05	RE-POWER, REPLACEMENT	MARINE	5	13
4	20051247	SUSAN S BRIDGES BDA KOHOOTZ ETC	RE-POWER 2 MARINE ENGINES ON 1 BOAT	CORPUS CHRISTI	$10,440.00	$33,329.02	2.0892	0.0010	$4,997.21	RE-POWER	MARINE	8	2
5	20051037	HAC EQUIPMENT LTD	REPLACE FOUR GRADERS, AND THREE WHEEL LOADERS	CORPUS CHRISTI	$54,746.59	$1,028,631.00	17.1082	0.0137	$3,200.00	REPLACEMENT	NON-ROAD	5	7

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6	20051288	MARTIN MARIETTA MATERIALS SOUTHWEST LTD	REPLACE 5 WHEEL LOADERS	CORPUS CHRISTI	$211,077.00	$1,380,460.00	42.224	0.0281	$4,998.98	REPLACEMENT	NON-ROAD	6	5
7	20051087	W T MINING COMPANY INC	RE-POWER 2 SKID MOUNTED PUMPS, RE-POWER 4 CRANES	CORPUS CHRISTI	$560,490.00	$560,490.00	87.5254	0.0700	$6,403.74	RE-POWER	NON-ROAD	5	6
8	20051041	BFI WASTE SERVICES OF TEXAS LP	REPLACE 9 ON-ROAD TRUCKS	CORPUS CHRISTI	$100,140.75	$1,227,682.00	22.2536	0.0127	$4,499.98	REPLACEMENT	ON-ROAD	7	9
9	20051117	BARRAZA TRUCKING INC	REPLACE 7 NON-ROAD TRUCKS, 1 FARM TRACTOR, AND 2 ON-ROAD TRUCKS	CORPUS CHRISTI	$620,338.30	$967,343.36	161.1206	0.1289	$3,850.15	REPLACEMENT	ON-ROAD, NON-ROAD	5	10
	CC TOTALS				**$2,445,464.64**	**$6,920,328.38**	**609.8128**	**0.4765**	**$4,010.19**				
1	20051025	CROUCH SAND & GRAVEL, INC.	REPOWER 1 LOADER	DALLAS/FORT WORTH	$18,694.03	$18,694.03	9.9593	0.0080	$1,877.05	RE-POWER	NON-ROAD	5	1
2	20051053	RED RIVER WELL SERVICE DBA MERCER WELL SERVICE	RE-POWER 8 WORK-OVER RIGS	DALLAS/FORT WORTH	$318,872.83	$479,600.00	79.7182	0.0456	$4,000.00	RE-POWER	NON-ROAD	7	8
3	20051050	TXI OPERATIONS LP	RE-POWER 6 DRAG LINES AND 1 OFF-HIGHWAY TRUCK	DALLAS/FORT WORTH	$296,217.50	$296,217.50	70.6732	0.0565	$4,191.37	RE-POWER	NON-ROAD	5	7
4	20051011	JOHN BURNS CONSTRUCTION COMPANY OF TEXAS INC	REPLACE EXCAVATOR	DALLAS/FORT WORTH	$40,079.49	$562,010.90	5.8057	0.0046	$6,903.50	REPLACEMENT	NON-ROAD	5	1
5	20051173	CITY OF DALLAS	REPLACE 1 BULLDOZER	DALLAS/FORT WORTH	$36,000.00	$160,000.00	6.3367	0.0036	$5,681.15	RE-POWER	NON-ROAD	7	1
6	20051220	APAC TEXAS INC	REPLACE 2 WHEEL LOADERS, 2 ROLLERS, 1 ASPHALT PAVER	DALLAS/FORT WORTH	$92,512.17	$955,839.21	18.9769	0.0108	$4,874.99	REPLACEMENT	NON-ROAD	7	5
7	20051029	TEXAS SHAFTS, INC.	RE-POWER 5 DRILLING RIGS	DALLAS/FORT WORTH	$94,736.90	$105,441.00	15.9815	0.0091	$5,927.91	RE-POWER	NON-ROAD	7	5
8	20051191	JRJ PAVING LP	REPLACE 2 WHEEL LOADERS, 1 DOZER, & 2 COMPACTORS	DALLAS/FORT WORTH	$105,979.77	$1,215,066.00	21.3227	0.0122	$4,970.28	REPLACEMENT	NON-ROAD	7	5
9	20051035	HANSON AGGREGATES	RE-POWER FOUR DRAGLINES, AND THREE OFF-HIGHWAY TRUCKS	DALLAS/FORT WORTH	$235,868.50	$309,218.75	78.6228	0.0629	$3,000.00	RE-POWER	NON-ROAD	5	7
10	20051034	LATTIMORE MATERIALS COMPANY, LP	REPLACE TWO OFF-HIGHWAY TRUCKS AND FOUR WHEEL LOADERS	DALLAS/FORT WORTH	$209,342.70	$1,404,323.56	42.4538	0.0243	$4,931.07	REPLACEMENT	NON-ROAD	7	6

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11	20051179	MIDWEST WRECKING & DEMOLITION	REPLACE 1 TRACK LOADER	DALLAS/FORT WORTH	$22,834.68	$213,781.00	4.5669	0.0030	$5,000.00	REPLACEMENT	NON-ROAD	6	1
12	20051224	ARNOLD STONE INC	REPLACE 3 LOADERS	DALLAS/FORT WORTH	$157,152.47	$438,299.02	31.8762	0.0182	$4,930.09	REPLACEMENT	NON-ROAD	7	3
13	20051030	L H LACY COMPANY LTD	REPLACE ONE SCRAPER AND THREE GRADERS	DALLAS/FORT WORTH	$126,543.22	$1,056,628.00	25.819	0.0207	$4,931.07	REPLACEMENT	NON-ROAD	5	4
14	20051060	DAIRYMANS CHOICE ORGANICS INC	REPLACE 1 WHEEL LOADER	DALLAS/FORT WORTH	$40,355.89	$125,859.49	5.7651	0.0033	$7,000.00	REPLACEMENT	NON-ROAD	7	1
15	20051167	MANSFIELD SAND & SELECT	REPLACE 1 WHEEL LOADER	DALLAS/FORT WORTH	$26,727.11	$176,768.13	5.463	0.0031	$4,892.35	REPLACEMENT	NON-ROAD	7	1
16	20051063	WILLIAM J SCHULTZ INC DBA CIRCLE C CONSTRUCTION COMPANY	REPLACE 1 EXCAVATOR	DALLAS/FORT WORTH	$120,000.00	$328,013.94	28.7788	0.0164	$4,169.74	REPLACEMENT	NON-ROAD	7	1
17	20051062	W G CULLUM & COMPANY LTD	REPLACE 1 EXCAVATOR	DALLAS/FORT WORTH	$42,218.86	$167,180.80	6.0313	0.0034	$7,000.00	REPLACEMENT	NON-ROAD	7	1
18	20051061	SOUTHERN MECHANICAL PLUMBING INC	REPLACER 1 EXCAVATOR	DALLAS/FORT WORTH	$28,000.00	$202,366.72	4.662	0.0027	$6,006.01	REPLACEMENT	NON-ROAD	7	1
19	20051059	R WEST DAIRY INC	REPLACE 1 WHEEL LOADER	DALLAS/FORT WORTH	$35,688.24	$96,773.67	5.0983	0.0029	$7,000.00	REPLACEMENT	NON-ROAD	7	1
20	20051103	ACME BRICK COMPANY	REPLACE 3 LOADERS, 16 ON-ROAD TRUCKS, 17 FORKLIFTS	DALLAS/FORT WORTH	$406,738.00	$2,689,628.30	72.0857	0.0577	$5,642.42	REPLACEMENT	NON-ROAD, ON-ROAD	5	36
21	20051202	ARLINGTON INDEPENDENT SCHOOL DISTRICT	REPLACEMENT OF 10 SCHOOL BUSES	DALLAS/FORT WORTH	$36,811.35	$629,680.00	8.1803	0.0047	$4,500.00	REPLACEMENT	ON-ROAD	7	10
22	20051189	PARKING COMPANY OF AMERICA	REPLACE 8 AIRPORT PARKING SHUTTLE BUSSES, 1 CNG REFUELING INFRASTRUCTURE	DALLAS/FORT WORTH	$102,875.00	$1,226,561.00	29.4142	0.0091	$3,497.46	REPLACEMENT, REFUELING INFRASTRUCTURE	ON-ROAD	13	9
23	20051160	AUSTIN COMMERCIAL LP	REPLACE 2 ON-ROAD TURCKS	DALLAS/FORT WORTH	$80,493.34	$265,352.00	16.0987	0.0129	$4,999.99	REPLACEMENT	ON-ROAD	5	2
24	20051185	J R EQUIPMENT INC DBA ALLIED DRILLING COMPANY	REPLACE 1 ON-ROAD DRILLING RIG CARRIER	DALLAS/FORT WORTH	$1,001.16	$30,593.65	0.5006	0.0004	$2,000.00	REPLACEMENT	ON-ROAD	5	1
25	20051180	TONY HANSFORD CARTY	REPLACE 1 ON-ROAD TRUCK	DALLAS/FORT WORTH	$47,915.67	$75,000.00	9.5831	0.0077	$5,000.00	REPLACEMENT	ON-ROAD	5	1

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26	20051133	ENNIS TRANSPORTATION COMPANY INC	REPLACE 7 ON-ROAD TRUCKS	DALLAS/FORT WORTH	$170,000.00	$689,395.00	37.7807	0.0302	$4,499.65	REPLACEMENT	ON-ROAD	5	7
27	20051176	DOUBLE EAGLE FOUNDATION DRILLING INC	REPLACE 1 ON-ROAD TRUCK	DALLAS/FORT WORTH	$11,843.16	$41,390.00	1.6919	0.0014	$7,000.00	REPLACEMENT	ON-ROAD	5	1
28	20051194	IDLEAIRE TECHNOLOGIES CORPORATION	4 ON-SITE INFRASTRUCTRE PROJECTS	DALLAS/FORT WORTH	$2,730,051.00	$5,160,104.00	3070.17	0.5608	$889.22	ON-SITE INFRASTRUCTURE	ON-ROAD	15	4
29	20051170	MANSFIELD INDEPENDENT SCHOOL DISTRICT	11 REPLACEMENTS	DALLAS/FORT WORTH	$94,875.00	$1,251,800.00	13.5742	0.0078	$6,989.35	REPLACEMENT	ON-ROAD	7	11
30	20051175	J R HORTON III DBA FINE CARPET CLEANING OF DALLAS	REPLACE 1 ON-ROAD DELIVERY VAN	DALLAS/FORT WORTH	$4,441.40	$34,030.00	0.7658	0.0006	$5,800.00	REPLACEMENT	ON-ROAD	5	1
31	20051148	SOUTHERN STAR LEASING LLC	REPLACE 15 CEMENT MIXER TRUCKS	DALLAS/FORT WORTH	$72,285.00	$1,458,585.00	12.0477	0.0096	$5,999.90	REPLACEMENT	ON-ROAD	5	15
32	20051174	ROMCO EQUIPMENT COMPANY LP	REPLACE 1 ON-ROAD TRUCK	DALLAS/FORT WORTH	$23,091.47	$103,126.77	3.2988	0.0019	$7,000.00	REPLACEMENT	ON-ROAD	7	1
33	20051082	BOLIVER & SONS TRUCKING COMPANY	REPLACE 2 ON-ROAD TRUCKS	DALLAS/FORT WORTH	$121,711.80	$192,243.12	17.3874	0.0139	$7,000.00	REPLACEMENT	ON-ROAD	5	2
34	20051268	RICKS AUTOMOTIVE	REPLACE 1 TRUCK	DALLAS/FORT WORTH	$9,188.00	$9,188.00	1.3814	0.0011	$6,651.28	REPLACEMENT	ON-ROAD	5	1
35	20051270	MILK PRODUCTS LP	REPLACE 6 ON ROAD TRUCKS	DALLAS/FORT WORTH	$80,768.93	$444,384.00	16.1538	0.0092	$5,000.00	REPLACEMENT	ON-ROAD	7	6
36	20051272	ROYSE CITY INDEPENDENT SCHOOL DISTRICT	REPLACE 9 SCHOOL BUSES	DALLAS/FORT WORTH	$25,519.92	$508,500.00	5.104	0.0014	$5,000.00	REPLACEMENT	ON-ROAD	15	9
37	20051074	ARTHUR WASHINGTON	REPLACE 1 HAUL TRUCK	DALLAS/FORT WORTH	$27,000.00	$98,000.00	6.0812	0.0049	$4,439.94	REPLACEMENT	ON-ROAD	5	1
38	20051085	EAGLE ROYAL TRANSPORTATION INC	RE-POWER 4 ON-ROAD TRUCKS, REPLACE 1 ON-ROAD TRUCK	DALLAS/FORT WORTH	$221,000.00	$350,311.00	51.3692	0.0411	$4,302.19	REPLACEMENT	ON-ROAD	5	5
39	20051277	KIRBY J LIMBRICK III	APU	DALLAS/FORT WORTH	$6,450.00	$10,500.00	2.2411	0.0018	$2,878.03	ON-VEHICLE INFRASTRUCTURE	ON-ROAD	5	1
40	20051280	RANDOLPH D PETERSON	APU	DALLAS/FORT WORTH	$5,000.00	$7,028.77	1.7653	0.0014	$2,832.37	ON-VEHICLE INFRASTRUCTURE	ON-ROAD	5	1
41	20051281	REGINALD L GUTHRIE	APU	DALLAS/FORT WORTH	$6,750.00	$6,750.00	1.7239	0.0014	$3,915.46	ON-VEHICLE INFRASTRUCTURE	ON-ROAD	5	1

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42	20051058	LABROCK MATERIALS INC	REPLACE 2 ON_ROAD TRUCKS	DALLAS/FORT WORTH	$81,555.52	$191,884.00	16.3438	0.0093	$4,990.00	REPLACEMENT	ON-ROAD	7	2
43	20051057	LAB LEASING COMPANY INC	REPLACE 12 ON-ROAD TRUCKS	DALLAS/FORT WORTH	$283,493.93	$1,199,304.00	56.8124	0.0325	$4,990.00	REPLACEMENT	ON-ROAD	7	12
44	20051051	LATTIMORE MATERIALS COMPANY LP	REPLACE 45 ON-ROAD TRUCKS	DALLAS/FORT WORTH	$482,899.60	$3,154,000.00	96.5799	0.0773	$5,000.00	REPLACEMENT	ON-ROAD	5	45
45	20051038	ALLIED WASTE SYSTEMS INC	REPLACE 28 ON-ROAD TRUCKS	DALLAS/FORT WORTH	$550,107.63	$4,138,205.00	122.2461	0.0699	$4,500.00	REPLACEMENT	ON-ROAD	7	28
46	20051026	CHARLES M. ATTEBERRY	REPLACE ONE DUMP TRUCK	DALLAS/FORT WORTH	$16,501.72	$45,683.00	3.3003	0.0026	$5,000.00	REPLACEMENT	ON-ROAD	5	1
47	20051307	MANN ROBINSON & SONS INC	REPLACE 3 TRUCKS	DALLAS/FORT WORTH	$154,932.07	$274,469.95	22.1332	0.0126	$7,000.00	REPLACEMENT	ON-ROAD	7	3
48	20051018	MIKO TRUCKING INC	REPLACE 4 TRUCKS	DALLAS/FORT WORTH	$38,583.37	$361,617.00	7.7168	0.0044	$4,999.92	REPLACEMENT	ON-ROAD	7	4
49	20051107	WHW EQUIPMENT COMPANY LP	REPLACE 11 ON-ROAD TRUCKS	DALLAS/FORT WORTH	$248,995.87	$1,295,800.00	35.5708	0.0285	$7,000.00	REPLACEMENT	ON-ROAD	5	11
50	20051228	YEARY TRUCKING INC	REPLACE 1 ON-ROAD TRUCK	DALLAS/FORT WORTH	$100,600.05	$113,000.00	14.3714	0.0115	$7,000.00	REPLACEMENT	ON-ROAD	5	1
51	20051119	J & A TRUCKING	REPLACE 3 ON-ROAD TRUCKS	DALLAS/FORT WORTH	$175,474.00	$320,400.00	25.0679	0.0201	$6,999.95	REPLACEMENT	ON-ROAD	5	3
52	20051230	LIVINGSTON MCKENZIE DBA MCKENZIE TRUCKING	REPLACE 1 ON-ROAD TRUCK	DALLAS/FORT WORTH	$17,000.00	$17,000.00	11.2184	0.0090	$1,515.37	REPLACEMENT	ON-ROAD	5	1
53	20051235	TOYE WADE YEARY	REPLACE 1 ON-ROAD TRUCK	DALLAS/FORT WORTH	$15,939.91	$120,562.00	3.985	0.0032	$4,000.00	REPLACEMENT	ON-ROAD	5	1
54	20051236	A-1 CALL SOLUTIONS 4 SIGNS	REPLACE 1 ON-ROAD TRUCK	DALLAS/FORT WORTH	$10,235.88	$26,538.71	1.4623	0.0008	$7,000.00	REPLACEMENT	ON-ROAD	7	1
55	20051002	WACT DELIVERY EXPRESS	REPLACE 3 ON-ROAD TRUCKS	DALLAS/FORT WORTH	$124,591.19	$124,591.19	22.752	0.0130	$5,476.05	REPLACEMENT	ON-ROAD	7	3
56	20051243	D & A TRUCKING	REPLACE 2 ON-ROAD TRUCKS	DALLAS/FORT WORTH	$69,000.00	$69,000.00	9.8948	0.0079	$6,973.36	REPLACEMENT	ON-ROAD	5	2
57	20051005	LEONARD COLEMAN- COLEMAN EXPRESS DELIVERY SERVICE	REPLACE 3 ON-ROAD TRUCKS	DALLAS/FORT WORTH	$56,895.15	$181,260.39	9.4824	0.0076	$6,000.00	REPLACEMENT	ON-ROAD	5	3

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58	20051013	WILLOW CREEK RANCH	REPLACEMENT OF 3 FARM TRUCKS AND 5 FARM TRACTORS	DALLAS/FORT WORTH	$41,317.50	$526,000.00	5.9026	0.0047	$6,999.88	REPLACEMENT	ON-ROAD, NON-ROAD	5	8
59	20051010	REDI-MIX LP	REPLACE 26 ON-ROAD TRUCKS	DALLAS/FORT WORTH	$859,165.58	$2,993,886.97	122.7382	0.0982	$7,000.00	REPLACEMENT	ON-ROAD, NON-ROAD	5	26
60	20051184	DALLAS COUNTY	REPLACE 1 ON-ROAD TRUCK, 1 MOTOR GRADER, 1 ASPHALT MILLING MACHINE	DALLAS/FORT WORTH	$5,534.45	$729,418.00	2.2139	0.0013	$2,499.86	REPLACEMENT	ON-ROAD, NON-ROAD	7	3
61	20051283	K DAVIS FARMS LLC	REPLACE 22 TRUCKS	DALLAS/FORT WORTH	$192,217.01	$2,066,494.00	27.4596	0.0220	$7,000.00	REPLACEMENT	ON-ROAD, NON-ROAD	5	22
62	20051159	S J LOUIS CONSTRUCTION OF TEXAS	REPLACE 2 ON-ROAD TRUCKS, 2 WHEEL LOADERS, AND 2 EXCAVATORS	DALLAS/FORT WORTH	$79,337.84	$1,036,402.00	22.668	0.0130	$3,500.00	REPLACEMENT	ON-ROAD, NON-ROAD	7	6
63	20051134	JOWELL CONSTRUCTION COMPANY INC DBA JOWELLCORPORATION	REPLACE 2 TRUCKS, RE-POWER 11 STATIONARY PUMPS	DALLAS/FORT WORTH	$194,792.00	$355,476.84	48.698	0.0278	$4,000.00	REPLACEMENT, RE-POWER	ON-ROAD, STATIONARY	7	13
64	20051238	ENERGY TRANSFER FUEL LP	NEW PURCHASE STATIONARY GAS COMPRESSOR	DALLAS/FORT WORTH	$189,000.00	$374,011.00	27.1134	0.0149	$6,970.72	PURCHASE	STATIONARY	5	1
65	20051165	ENERGY TRANSFER TECHNOLOGIES LTD	NEW PURCHASE 1 COMPRESSOR	DALLAS/FORT WORTH	$189,000.00	$514,559.00	27.1134	0.0149	$6,970.72	PURCHASE	STATIONARY	5	1
66	20051164	ENERGY TRANSFER FUEL LP	NEW PURCHASE 1 COMPRESSOR	DALLAS/FORT WORTH	$189,000.00	$363,776.00	27.1134	0.0149	$6,970.72	PURCHASE	STATIONARY	5	1
	DFW TOTALS				**$10,699,804.83**	**$44,187,571.38**	**4616.2684**	**1.6138**	**$2,317.85**				
1	20051094	ALLIANCE RIGGERS & CONSTRUCTOR LTD	RE-POWER 3 CRANES, REPLACE 3 ON-ROAD TRUCKS, REPLACE 5 FORKLIFTS, REPLACE 15 WELDING MECHINE	EL PASO	$147,962.00	$995,641.10	30.3947	0.0243	$4,868.03	RE-POWER, REPLACEMENT	ON-ROAD, NON-ROAD	5	26
	ELP TOTALS				**$147,962.00**	**$995,641.10**	**30.3947**	**0.0243**	**$4,868.02**				
1	20051200	BREATHWIT MARINE CONTRACTING INC	REPOWER 9 MARINE ENGINES ON 5 VESSELS	HOUSTON/GALVESTON	$1,243,113.00	$1,243,113.00	1095.9376	0.6263	$1,137.29	RE-POWER	MARINE	7	9
2	20051223	ECHO TOWING SERVICE INC	RE-POWER 2 PROPULSION ENGINES & 2 AUX ENGINES ON ONE PUSH BOAT	HOUSTON/GALVESTON	$264,696.00	$264,696.00	72.3142	0.0413	$3,660.36	REPLACEMENT	MARINE	7	4

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3	20051130	DBA LEWIS TOWING & SALVAGE	RE-POWER SALVAGE BOAT	HOUSTON/GALVESTON	$20,350.00	$25,750.00	4.4444	0.0036	$4,578.80	RE-POWER	MARINE	5	1
4	20051052	BROWN WATER MARINE SERVICE INC	RE-POWER 2 PUSH BOATS 2 PROPULSION AND 2 AUXILIARY ENGINES EACH	HOUSTON/GALVESTON	$322,801.84	$322,801.84	52.217	0.0418	$6,181.93	RE-POWER	MARINE	5	8
5	20051127	SOUTH LOUISIANA BOAT COMPANY INC	RE-POWER TWO MAIN ENGINES AND TWO GENERATORS ON A PUSH BOAT	HOUSTON/GALVESTON	$254,252.00	$254,252.00	46.8115	0.0374	$5,431.40	RE-POWER	MARINE	5	4
6	20051056	MEGAFLEET TOWING COMPANY INC	RE-POWER 4 PUSH BOATS 2 MAIN & 2 AUX ENGINES EACH, 1 PUSH BOAT WITH 2 MAIN & 1 AUX ENGINES, AND 2 AUX ENGINES EACH ON 4 ADDITIONAL PUSH BOATS, TOTALING 29 ENGINES.	HOUSTON/GALVESTON	$987,972.50	$987,972.50	385.342	0.1541	$2,563.88	RE-POWER	MARINE	10	29
7	20051123	MASTERS RESOURCES LLC	RE-POWER THREE ENGINES ON M/V RHES, TWO PROPULSION ONE GENERATOR	HOUSTON/GALVESTON	$84,078.00	$98,078.00	22.5787	0.0181	$3,723.77	RE-POWER	MARINE	5	3
8	20051137	M BAKER MARINE TOWING LLC	RE-POWER 2 MAIN ENGINES AND 2 GENERATORS ON ONE PUSH BOAT	HOUSTON/GALVESTON	$216,772.00	$274,502.00	31.0044	0.0248	$6,991.64	RE-POWER	MARINE	5	4
9	20051140	BEATTY STREET PROPERTIES INC	RE-POWER PILOT BOAT 2 MAIN ENGINES 2 GENERATORS	HOUSTON/GALVESTON	$288,504.00	$327,304.00	81.7992	0.0654	$3,526.98	RE-POWER	MARINE	5	4
10	20051122	GALTEX PILOTS SERVICE CORPORATION	REPLACING ONE BOAT WITH 3 ENGINES, REPOWERING 3 ENGINES IN A SECOND BOAT	HOUSTON/GALVESTON	$274,694.00	$2,564,694.00	44.8423	0.0359	$6,125.78	REPLACEMENT, RE-POWER	MARINE	5	4
11	20051109	CHERYL K INC	RE-POWER 6 TUG BOATS, TWO OF THE 6 HAVE 3 MAIN ENGINES AND 2 GENERATORS EACH, 4 OF THE 6 HAVE 2 MAIN ENGINES AND 2 GENERATORS EACH, A TOTAL OF 26 ENGINES	HOUSTON/GALVESTON	$1,745,410.00	$1,895,794.00	351.5382	0.2812	$4,965.07	RE-POWER	MARINE	5	26
12	20051093	HARDS MARINE SERVICES LTD	RE-POWER 11 PUSH BOATS 2 MAIN ENGINES AND 2 AUX ENGINES EACH	HOUSTON/GALVESTON	$2,801,036.00	$3,137,640.00	817.3961	0.6539	$3,426.78	RE-POWER	MARINE	5	44

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13	20051314	SUDERMAN & YOUNG TOWING COMPANY LP	RETRO-FIT/ADD-ON OF 2 MARINE VESSELS	HOUSTON/GALVESTON	$472,000.00	$472,000.00	187.473	0.1500	$2,517.70	RETRO-FIT/ADD-ON	MARINE	5	2
14	20051313	G & H TOWING COMPANY	RETRO-FIT/ADD-ON OF 2 ENGINES IN 1 MARINE VESSEL	HOUSTON/GALVESTON	$472,000.00	$472,000.00	187.2151	0.1498	$2,521.16	RETRO-FIT/ADD-ON	MARINE	5	2
15	20051312	BAY HOUSTON TOWING COMPANY	RETRO-FIT/ADD-ON TO 3 ENGINES IN 2 MARINE VESSELS	HOUSTON/GALVESTON	$737,000.00	$737,000.00	277.6687	0.2221	$2,654.24	RETRO-FIT/ADD-ON	MARINE	5	3
16	20051274	WESTWAY FEED PRODUCTS INC	REPLACE FORKLIFT	HOUSTON/GALVESTON	$3,348.00	$19,646.00	0.5194	0.0004	$6,445.55	REPLACEMENT	NON-ROAD	5	1
17	20051004	TIMCO SCRAP PROCESSING INC	REPLACE 1 DRAG LINE	HOUSTON/GALVESTON	$36,199.25	$253,865.00	5.1713	0.0041	$7,000.00	REPLACEMENT	NON-ROAD	5	1
18	20051126	SHINTECH INCORPORATED	REPLACE 4 FORKLIFTS, 1 YARD MULE & 3 RAILCAR MOVERS	HOUSTON/GALVESTON	$449,129.00	$993,634.00	89.8262	0.0719	$4,999.98	REPLACEMENT	NON-ROAD	5	8
19	20051007	CHERRY DEMOLITION CO INC	REPLACE 2 EXCAVATORS	HOUSTON/GALVESTON	$138,774.89	$376,582.25	21.3507	0.0171	$6,499.78	REPLACEMENT	NON-ROAD	5	2
20	20051248	HASSELL CONSTRUCTION COMPANY INC	REPLACE 2 TIRE LOADERS	HOUSTON/GALVESTON	$60,489.92	$311,966.00	10.724	0.0086	$5,640.62	REPLACEMENT	NON-ROAD	5	2
21	20051269	PIRA CONSULTANTS INC	REPLACE 1 EXCAVATOR	HOUSTON/GALVESTON	$25,292.65	$109,787.17	5.3992	0.0031	$4,684.52	REPLACEMENT	NON-ROAD	7	1
22	20051289	MARTIN MARIETTA MATERIALS SOUTHWEST LTD	REPOWER OF LOADERS	HOUSTON/GALVESTON	$151,325.73	$296,089.10	54.7142	0.0438	$2,765.75	RE-POWER	NON-ROAD	5	7
23	20051064	BUDCO DRILLING COMPANY INC	RE-POWER 1 OIL RIG DRAW WORKS, 2 GEN SETS, 2 MUD PUMPS	HOUSTON/GALVESTON	$415,791.00	$415,791.00	114.8241	0.0656	$3,621.11	RE-POWER	NON-ROAD	7	5
24	20051287	TOTAL SITE	REPLACE 1 MIXER	HOUSTON/GALVESTON	$16,942.35	$297,550.00	2.4203	0.0019	$7,000.00	REPLACEMENT	NON-ROAD	5	1
25	20051065	BALFOUR BEATTY CONSTRUCTION INC	REPLACE 1 WHEEL LOADER. AND 3 CRWLER TRACTORS	HOUSTON/GALVESTON	$54,744.86	$408,595.00	11.2142	0.0064	$4,881.76	REPLACEMENT	NON-ROAD	7	4
26	20051066	JACINTOPORT INTERNATIONAL LP	REPLACE 2 TERMINAL TRACTORS, AND 3 FORKLIFTS	HOUSTON/GALVESTON	$212,762.35	$396,932.50	46.7792	0.0374	$4,548.22	REPLACEMENT	NON-ROAD	5	5
27	20051067	AGRI EMPRESA INC DBA SUPERIOR PACKAGING & DISTRIBUTION INC	REPLACE 8 FORKLIFTS	HOUSTON/GALVESTON	$49,707.42	$200,404.16	10.0217	0.0080	$4,659.97	REPLACEMENT	NON-ROAD	5	8

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28	20051237	CHACHERE FARMS	REPLACE 3 FARM TRACTORS	HOUSTON/GALVESTON	$29,856.00	$69,000.00	4.2654	0.0024	$6,999.58	REPLACEMENT	NON-ROAD	7	3
29	20051068	BAKER PETROLITE	REPLACE 1 TERMINAL TRACTOR	HOUSTON/GALVESTON	$22,598.31	$71,537.25	4.5828	0.0037	$4,931.07	REPLACEMENT	NON-ROAD	5	1
30	20051108	EASTEX FOREST PRODUCTS INC	REPLACE 5 FORKLIFTS	HOUSTON/GALVESTON	$38,150.00	$264,695.00	8.4627	0.0068	$4,508.01	REPLACEMENT	NON-ROAD	5	5
31	20051222	STEWART TUBULAR PRODUCTS INC	REPLACE 1 FORKLIFT	HOUSTON/GALVESTON	$11,150.00	$18,068.26	2.2333	0.0013	$4,992.69	REPLACEMENT	NON-ROAD	7	1
32	20051022	DL GLOVER INC	REPLACE ONE EXCAVATOR	HOUSTON/GALVESTON	$17,974.01	$98,870.00	2.5677	0.0021	$7,000.00	REPLACEMENT	NON-ROAD	5	1
33	20051177	CHARLES H COX & COMPANY	REPLACE 1 WHEEL LOADER	HOUSTON/GALVESTON	$21,193.34	$89,017.22	4.3856	0.0025	$4,832.45	REPLACEMENT	NON-ROAD	7	1
34	20051151	JERDON ENTERPRISE LP	REPLACE 2 EXCAVATORS	HOUSTON/GALVESTON	$61,433.92	$415,350.00	13.4506	0.0108	$4,567.38	REPLACEMENT	NON-ROAD	5	2
35	20051023	C E BARKER INC	REPLACE 4 EXCAVATORS	HOUSTON/GALVESTON	$79,311.69	$1,182,821.39	15.8623	0.0127	$5,000.00	REPLACEMENT	NON-ROAD	5	4
36	20051024	NATURAL WASTE SOLUTIONS, INC.	REPOWER 2 EXCAVATORS, 2 RUBBER TIRE LOADERS, 1 GENERAL INDUSTRIAL TUBE GRINDER, 1 GENERAL INDUSTRIAL EQUIPMENT SCREEN	HOUSTON/GALVESTON	$162,170.00	$162,170.00	32.8677	0.0263	$4,934.02	RE-POWER	NON-ROAD	5	5
37	20051021	BARRIER EQUIPMENT INC	REPLACE 1 DOZER	HOUSTON/GALVESTON	$13,524.41	$101,635.00	1.9321	0.0015	$7,000.00	REPLACEMENT	NON-ROAD	5	1
38	20051221	WILLIAMS BROTHERS CONSTRUCTION COMPANY INC	RE-POWER 14 NON-ROAD CRANES	HOUSTON/GALVESTON	$695,968.00	$695,968.00	124.767	0.0713	$5,578.14	RE-POWER	NON-ROAD	7	14
39	20051008	CHERRY CRUSHED CONCRETE INC	REPLACE 1 WHEEL LOADER	HOUSTON/GALVESTON	$57,076.38	$228,360.24	8.9727	0.0072	$6,361.08	REPLACEMENT	NON-ROAD	5	1
40	20051020	BARRIER EQUIPMENT INC	REPLACE 1 DOZER	HOUSTON/GALVESTON	$20,556.60	$184,059.00	2.9722	0.0024	$6,916.25	REPLACEMENT	NON-ROAD	5	1
41	20051295	TRANS GLOBAL SOLUTIONS INC	REPOWER 19 DOZERS	HOUSTON/GALVESTON	$3,440,000.00	$3,440,000.00	726.1378	0.4149	$4,737.39	REPLACEMENT	NON-ROAD	7	19
42	20051294	GENERAL STEVEDORES INC	REPOWER 11 FORKLIFTS	HOUSTON/GALVESTON	$332,000.00	$332,000.00	117.9889	0.0674	$2,813.82	RE-POWER	NON-ROAD	7	10
43	20051048	MIKE ATKINSON FAMILY FARM	REPLACE TWO FARM TRACTORS	HOUSTON/GALVESTON	$2,519.80	$30,250.00	0.36	0.0002	$7,000.00	REPLACEMENT	NON-ROAD	7	2

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44	20051017	JOSE M IBARRA	REOLACE 1 DUMP TRUCK	HOUSTON/GALVESTON	$40,605.13	$45,000.00	8.121	0.0065	$5,000.00	REPLACEMENT	ON-ROAD	5	1
45	20051079	D N D PROFESSIONAL FREIGHT SERVICES	REPLACE 2 ON-ROAD TRUCKS	HOUSTON/GALVESTON	$54,000.00	$142,074.12	12.7968	0.0102	$4,219.80	REPLACEMENT	ON-ROAD	5	2
46	20051327	WILLIAMS BROTHERS CONSTRUCTION COMPANY	REPLACE 24 ON-ROAD TRUCKS	HOUSTON/GALVESTON	$1,727,403.60	$2,300,450.01	347.0263	0.2776	$4,977.73	REPLACEMENT	ON-ROAD	5	23
47	20051322	WILLIAMS BROTHERS CONSTRUCTION COMPANY INC	REPLACE 26 ON-ROAD TRUCKS	HOUSTON/GALVESTON	$1,439,503.00	$1,871,353.90	280.8035	0.2246	$5,126.37	REPLACEMENT	ON-ROAD	5	26
48	20051069	OIL PATCH BRAZOS VALLEY INC	REPLACE 2 ON-ROAD TRUCKS	HOUSTON/GALVESTON	$158,000.00	$158,000.00	35.9286	0.0205	$4,397.61	REPLACEMENT	ON-ROAD	7	2
49	20051077	ROBERSON TRANSPORT	REPLACE 2 ON-ROAD TRUCKS	HOUSTON/GALVESTON	$50,000.00	$192,243.12	11.8612	0.0095	$4,215.43	REPLACEMENT	ON-ROAD	5	2
50	20051282	MICHAEL O HAIRELL	APU	HOUSTON/GALVESTON	$6,450.00	$6,450.00	2.0687	0.0014	$3,117.87	ON-VEHICLE INFRASTRUCTURE	ON-ROAD	6	1
51	20051028	RELIANCE CONTRUCTION COMPANY	REPLACE TWO EXCAVATORS	HOUSTON/GALVESTON	$41,098.52	$479,995.00	6.8498	0.0055	$6,000.00	REPLACEMENT	ON-ROAD	5	2
52	20051036	ANDREWS TRANSPORT LP	REPLACE 10 ON-ROAD TRUCKS	HOUSTON/GALVESTON	$104,373.68	$830,459.98	23.1942	0.0133	$4,500.00	REPLACEMENT	ON-ROAD	7	10
53	20051039	BFI WASTE SERVICES OF TEXAS LP	REPLACE 18 ON-ROAD TRUCKS	HOUSTON/GALVESTON	$144,257.34	$2,295,880.00	32.0571	0.0183	$4,500.00	REPLACEMENT	ON-ROAD	7	18
54	20051328	WILLIAMS BROTHERS CONSTRUCTION COMPANY	REPLACE 26 ON-ROAD TRUCKS	HOUSTON/GALVESTON	$1,871,353.90	$2,504,380.00	377.7723	0.3022	$4,953.66	REPLACEMENT	ON-ROAD	5	26
55	20051099	BRENHAM READY MIX INCORPORATED	REPLACE 3 ON-ROAD TRUCKS	HOUSTON/GALVESTON	$20,550.00	$99,000.00	2.9366	0.0017	$6,997.86	REPLACEMENT	ON-ROAD	7	3
56	20051153	STEPHENS A1 LUMBER & PALLET INC	REPLACE 3 ON-ROAD TRUCKS	HOUSTON/GALVESTON	$121,453.65	$254,967.00	17.3505	0.0139	$7,000.00	REPLACEMENT	ON-ROAD	5	3
57	20051219	A H BECK FOUNDATION COMPANY INC	REPLACE 1 ON-ROAD TRUCK	HOUSTON/GALVESTON	$14,578.29	$157,023.00	3.3903	0.0019	$4,300.00	REPLACEMENT	ON-ROAD	7	1
58	20051218	A H BECK FOUNDATION COMPANY INC	REPLACE 1 ON-ROAD TRUCK	HOUSTON/GALVESTON	$10,218.27	$107,379.00	2.3763	0.0014	$4,300.00	REPLACEMENT	ON-ROAD	7	1
59	20051012	FENCING SERVICES DBA	REPLACE ONE WHOLE TRUCK	HOUSTON/GALVESTON	$17,225.00	$24,108.97	2.6499	0.0021	$6,500.00	REPLACEMENT	ON-ROAD	5	1
60	20051143	ALVIN SOWDERS	REPLACE 3 TRUCKS	HOUSTON/GALVESTON	$107,000.00	$170,000.00	20.9601	0.0168	$5,104.94	REPLACEMENT	ON-ROAD	5	3

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61	20051144	NORTHWEST RECYCLING LLC	REPLACE 1 ON-ROAD TRUCK	HOUSTON/GALVESTON	$25,000.00	$25,000.00	5.7745	0.0033	$4,329.41	REPLACEMENT	ON-ROAD	7	1
62	20051145	GULF COAST RECYCLING LTD	REPLACE 7 ON-ROAD GARBAGE TRUCKS	HOUSTON/GALVESTON	$203,000.00	$762,083.55	47.3719	0.0271	$4,285.24	REPLACEMENT	ON-ROAD	7	7
63	20051244	ALEXI CRUZ	REPLACE 1 ON-ROAD TRUCK	HOUSTON/GALVESTON	$36,383.24	$54,095.00	7.2766	0.0058	$5,000.00	REPLACEMENT	ON-ROAD	5	1
64	20051149	SOUTHERN STAR LEASING, LLS	REPLACE 10 CEMENT MIXER TRUCKS	HOUSTON/GALVESTON	$48,070.00	$65,356.00	11.007	0.0088	$4,367.22	REPLACEMENT	ON-ROAD	5	10
65	20051326	WILLIAMS BROTHERS CONSTRUCTION COMPANY INC	REPLACE 22 ON-ROAD TRUCKS	HOUSTON/GALVESTON	$1,583,453.30	$2,089,810.00	310.2764	0.2482	$5,103.36	REPLACEMENT	ON-ROAD	5	22
66	20051323	WILLIAMS BROTHERS CONSTRUCTION COMPANY INC	REPLACE 26 ON-ROAD TRUCKS	HOUSTON/GALVESTON	$1,871,353.90	$2,458,040.00	361.2362	0.2890	$5,180.42	REPLACEMENT	ON-ROAD	5	26
67	20051199	WASTE PRO SERVICES INC	REPLACE 1 ROLL OFF REFUSE TRUCK	HOUSTON/GALVESTON	$48,000.00	$48,000.00	10.6596	0.0085	$4,502.97	REPLACEMENT	ON-ROAD	5	1
68	20051106	ADMIRAL LINEN SERVICE INC	REPLACE 3 ON-ROAD TRUCKS	HOUSTON/GALVESTON	$64,270.00	$232,698.00	14.6024	0.0117	$4,401.33	REPLACEMENT	ON-ROAD	5	3
69	20051104	SWIFT SERVICE COMPANY	REPLACE 13 ON-ROAD TRUCKS	HOUSTON/GALVESTON	$230,500.00	$1,047,748.00	47.3866	0.0379	$4,864.24	REPLACEMENT	ON-ROAD	5	13
70	20051101	EARTH MATERIALS SERVICES LLC	REPLACE 10 ON-ROAD TRUCKS	HOUSTON/GALVESTON	$360,000.00	$360,000.00	82.7343	0.0473	$4,351.28	REPLACEMENT	ON-ROAD	7	10
71	20051325	WILLIAMS BROTHERS CONSTRUCTION COMPANY INC	REPLACE 23 ON-ROAD TRUCKS	HOUSTON/GALVESTON	$1,655,428.45	$2,184,350.00	321.529	0.2572	$5,148.61	REPLACEMENT	ON-ROAD	5	23
72	20051166	TEXAS STERLING CONSTRUCTION LP	REPLACE 4 WHEEL LOADERS, 5 EXCAVATORS, AND 1 COMPACTOR/ROLLER	HOUSTON/GALVESTON	$185,153.77	$1,740,413.44	37.1735	0.0212	$4,980.80	REPLACEMENT	ON-ROAD	7	10
73	20051100	SMART MATERIALS INCORPORATED	REPLACE 9 DUMP TRUCKS	HOUSTON/GALVESTON	$534,600.00	$804,600.00	119.0471	0.0952	$4,490.66	REPLACEMENT	ON-ROAD	5	9
74	20051098	RALPH GONZALES TRUCKING LIMITED	REPLACE 16 ON-ROAD TRUCKS	HOUSTON/GALVESTON	$633,368.03	$1,474,580.00	90.4812	0.0724	$7,000.00	REPLACEMENT	ON-ROAD	5	16
75	20051324	WILLIAMS BROTHERS CONSTRUCTION COMPANY INC	REPLACE 27 ON-ROAD TRUCKS	HOUSTON/GALVESTON	$1,943,329.05	$1,943,329.05	380.5572	0.3044	$5,106.54	REPLACEMENT	ON-ROAD	5	27
76	20051097	MIDNI BLUE TRUCKING INC	REPLACE 6 ON-ROAD TRUCKS	HOUSTON/GALVESTON	$160,000.00	$463,232.00	35.8905	0.0287	$4,458.00	REPLACEMENT	ON-ROAD	5	6
77	20051317	LA ROCA READY MIX INC	REPLACE 17 CEMENT TRUCKS, 1 LOADER	HOUSTON/GALVESTON	$362,981.01	$1,732,115.80	72.5963	0.0581	$4,999.99	REPLACEMENT	ON-ROAD, NON-ROAD	5	17

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78	20051124	ENGLAND BROTHERS FARMS	REPLACING IRRIGATION PUMPS	HOUSTON/GALVESTON	$71,600.00	$71,796.00	15.4935	0.0124	$4,621.29	REPLACEMENT	STATIONARY	5	4
	HGA TOTALS				**$32,749,230.35**	**$53,738,251.82**	**8262.5927**	**5.8722**	**$3,963.55**				
1	20051169	RAY FARIS INC	REPLACE 1 SCRAPER	SAN ANTONIO	$17,686.60	$287,232.00	3.538	0.0028	$4,999.00	REPLACEMENT	NON-ROAD	5	1
2	20051207	HUNTER DEMOLITION & WRECKING CORPORATION	REPLACE 1 EXCAVATOR	SAN ANTONIO	$62,978.56	$217,143.75	9.9006	0.0079	$6,361.08	REPLACEMENT	NON-ROAD	5	1
3	20051273	MARTIN MARIETTA MATERIALS SOUTHWEST LTD	REPLACE 11 HAUL TRUCKS AND LOADERS	SAN ANTONIO	$1,013,134.36	$3,819,714.00	231.5508	0.1544	$4,375.43	REPLACEMENT	NON-ROAD	6	11
4	20051275	WM GREER CONSTRUCTION COMPANY INC	REPOWER OF 1 GRADER	SAN ANTONIO	$13,472.40	$28,334.00	2.2454	0.0013	$6,000.00	RE-POWER	NON-ROAD	7	1
5	20051245	CIBOLO WASTE INC	REPLACE 2 WHEEL LOADERS	SAN ANTONIO	$70,196.72	$264,273.29	14.3259	0.0115	$4,900.00	REPLACEMENT	NON-ROAD	5	2
6	20051114	DEAN WORD COMPANY LTD	REPLACE 1 WHEEL LOADER	SAN ANTONIO	$39,836.31	$134,725.00	6.6394	0.0038	$6,000.00	REPLACEMENT	NON-ROAD	7	1
7	20051201	CITY PUBLIC SERVICE OF SAN ANTONIO	REPOWER 1 DOZER	SAN ANTONIO	$52,413.59	$79,859.00	10.9195	0.0087	$4,800.00	RE-POWER	NON-ROAD	5	1
8	20051190	HELOTES MATERIALS	RE-POWER 2 WHEEL LOADERS, & 2 OFF-HIGHWAY TRUCKS	SAN ANTONIO	$230,937.00	$230,937.00	74.9203	0.0428	$3,082.44	RE-POWER	NON-ROAD	7	4
9	20051118	CAPITOL AGGREGATES	REPLACE 1 LOADER, RE-POWER 1 GRADER, 3 LOADERS, 1 DOZER, 1 SCRAPER, 2 NON-ROAD TRUCKS	SAN ANTONIO	$253,000.00	$720,837.57	94.9467	0.0760	$2,664.65	RE-POWER, REPLACEMENT	NON-ROAD	5	9
10	20051233	ALAMO BACKHOE SERVICES INC	REPLACE 1 BACKHOE	SAN ANTONIO	$4,000.00	$39,713.51	0.677	0.0005	$5,908.38	REPLACEMENT	NON-ROAD	5	1
11	20051083	COMAL AUTO TRANSPORT	REPLACE 1 ON-ROAD TRUCK, RE-POWER 2 ON-ROAD TRUCKS	SAN ANTONIO	$106,000.00	$194,632.00	22.6223	0.0181	$4,685.64	REPLACEMENT, RE-POWER	ON-ROAD	5	3
12	20051193	IDLEAIRE TECHNOLOGIES CORPORATION	2 ON SITE INFRASTRUCTURE FOR VEHICLE ELECTRIFICATION	SAN ANTONIO	$1,243,950.00	$2,487,901.00	1388.15	0.2535	$896.12	ON-SITE INFRASTRUCTURE	ON-ROAD	15	2
13	20051076	B H TRUJILLO & SONS TRANSPORTATION	REPLACE 1 ON-ROAD TRUCK	SAN ANTONIO	$82,000.00	$98,000.00	18.0063	0.0144	$4,553.96	REPLACEMENT	ON-ROAD	5	1
14	20051070	BLOCK DISTRIBUTING COMPANY	REPLACE 16 BOBTAIL DELIVERY VANS	SAN ANTONIO	$75,995.75	$703,500.00	15.1995	0.0122	$4,999.89	REPLACEMENT	ON-ROAD	5	16

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15	20051040	BFI WASTE SERVICES OF TEXAS LP	REPLACE 8 ON-ROAD TRUCKS	SAN ANTONIO	$278,010.95	$1,167,882.00	61.7803	0.0353	$4,499.99	REPLACEMENT	ON-ROAD	7	8
16	20051216	COMAL INDEPENDENT SCHOOL DISTRICT	REPLACE 10 DIESEL SCHOOL BUSSES WITH NEW CNG BUSSES	SAN ANTONIO	$96,858.50	$1,048,000.00	13.8369	0.0079	$7,000.00	REPLACEMENT	ON-ROAD	7	10
17	20051239	DAVID FRIESENHAHN	REPLACE 5 ON-ROAD TRUCKS, & 2 LOADERS	SAN ANTONIO	$408,775.50	$606,902.25	81.7551	0.0654	$5,000.00	REPLACEMENT	ON-ROAD	5	7
18	20051113	DEAN WORD COMPANY LTD	REPLACE 1 NON-ROAD TRUCK	SAN ANTONIO	$86,655.40	$164,879.00	17.5203	0.0100	$4,946.00	REPLACEMENT	ON-ROAD	7	1
19	20051285	SAN ANTONIO CONSTRUCTORS LTD	REPLACEMENT OF 1 TRUCK	SAN ANTONIO	$40,000.00	$163,272.98	8.6003	0.0069	$4,651.02	REPLACEMENT	ON-ROAD	5	1
	SAT TOTALS				**$4,175,901.64**	**$12,457,738.35**	**2077.1346**	**0.7334**	**$2,010.41**				
1	20051015	T.E.C WELL SERVICE INC	REPOWER OF 1 WORKOVER RIG	TYLER	$23,851.52	$48,781.75	3.4074	0.0019	$7,000.00	RE-POWER	NON-ROAD	7	1
2	20051183	THE SABINE MINING COMPANY	REPLACE 1 GRADER & 2 CRAWLER TRACTORS (DOZERS)	TYLER	$407,222.19	$1,987,731.00	90.4938	0.0517	$4,500.00	REPLACEMENT	NON-ROAD	7	3
3	20051182	RED RIVER WELL SERVICE DBA MERCER WELL SERVICE	RE-POWER 2 WELL WORK-OVER RIGS	TYLER	$79,718.21	$119,900.00	19.9296	0.0114	$4,000.00	RE-POWER	NON-ROAD	7	2
4	20051225	EAST TEXAS LIFT TRUCK INC DBA LIFT TRUCK SUPPLY	REPLACE 1 ON-ROAD TRUCK	TYLER	$30,870.00	$59,465.98	8.6805	0.0050	$3,556.26	REPLACEMENT	ON-ROAD	7	1
5	20051047	INTERSTATE OIL	REPLACE 2 ON-ROAD TANK TRUCKS	TYLER	$33,364.91	$83,651.00	6.673	0.0053	$4,999.99	REPLACEMENT	ON-ROAD	5	2
6	20051042	ALLIED WASTE SYSTEMS INC	REPLACE 10 ON-ROAD TRUCKS	TYLER	$128,124.23	$1,671,131.60	28.4721	0.0163	$4,500.00	REPLACEMENT	ON-ROAD	7	10
7	20051135	D L WHITES TRUCKING INC	REPLACE 2 ON-ROAD TRUCKS	TYLER	$245,000.00	$674,080.00	35.9444	0.0288	$6,816.08	REPLACEMENT	ON-ROAD	5	2
8	20051188	NEW WASKOM GAS LP	REPLACE 1 NATURAL GAS COMPRESSOR SET	TYLER	$646,650.00	$664,555.00	93.6406	0.0749	$6,905.66	REPLACEMENT	STATIONARY	5	1
9	20051187	NEW WASKOM GAS LP	REPLACE 1 NATURAL GAS COMPRESSOR SET	TYLER	$488,800.00	$668,119.00	69.847	0.0559	$6,998.16	REPLACEMENT	STATIONARY	5	1
10	20051162	ENERGY TRANSFER TECHNOLOGIES LTD	NEW PURCHASE ELECTRIC COMPRESSOR	TYLER	$451,950.00	$451,950.00	106.6907	0.0610	$4,236.08	PURCHASE	STATIONARY	7	1
11	20051150	ENERGY TRANSFER TECHNOLOGIES LTD	NEW PURCHASE GAS COMPRESSOR	TYLER	$451,254.00	$451,254.00	138.9113	0.0794	$3,248.50	PURCHASE	STATIONARY	7	1
	TYL TOTALS				**$2,986,805.06**	**$6,880,619.33**	**602.6904**	**0.3915**	**$4,955.79**				

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1	20051231	ARROW DRILLING COMPANY INC	RE-POWER 5 MOBILE PUMP ENGINES	VICTORIA	$341,317.50	$341,317.50	132.9705	0.0760	$2,566.87	RE-POWER	NON-ROAD	7	5
	VIC TOTALS				**$341,317.50**	**$341,317.50**	**132.9705**	**0.0760**	**$2,566.87**				
219	**ALL AREA TOTALS**				**$60,694,108.34**	**$147,126,723.68**	**18500.4805**	**10.7410**	**$3,280.68**				

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Texas Commission on Environmental Quality
Texas Emissions Reduction Plan (TERP)
Emissions Reduction Incentive Grants
FY 2005 2nd Round Applications Recommended for Funding by Area
Version: August 5, 2005

	Application Number	Applicant	Project Type	Emission Source	Number of Activities	Primary Area	Project Description	Project Cost	Requested Grant Amount	Appproved Grant Amount	Total Tons of Projected Nox Reductions	Project Life	Projected Tons of NOx Reductions Per Day	Cost Per Ton
1	20052109	MOISES ROSALES	REPLACEMENT	ON-ROAD	1	AUSTIN	REPLACE 1 DUMP TRUCK	$130,747.20	$105,689.58	$104,597.76	33.054	7	0.0189	$3,164
2	20052127	JD ABRAMS LP	RE-POWER	NON-ROAD	1	AUSTIN	REPOWER 1 CRANE ENGINE	$15,818.55	$8,747.71	$8,747.71	2.4456	5	0.0014	$3,577
3	20052081	TXI AUSTIN GREEN S&G	RE-POWER	NON-ROAD	2	AUSTIN	REPOWER 2 NON ROAD TRUCK ENGINES	$98,940.50	$98,940.50	$98,940.50	26.5114	5	0.0151	$3,732
4	20052094	LA FUENTE TRUCKING	REPLACEMENT	ON-ROAD	1	AUSTIN	REPLACE 1 ON ROAD TRUCK	$102,843.46	$102,843.46	$82,274.77	18.5093	7	0.0106	$4,445
5	20052563	LIBERTY EXCAVATION	REPLACEMENT	ON-ROAD	2	AUSTIN	REPLACE 1 HAUL TRUCK AND 1 DUMP TRUCK	$226,830.00	$102,184.96	$102,184.96	22.8651	7	0.0131	$4,469
6	20051329	TRANS GLOBAL SOLUTIONS INC	RE-POWER	LOCOMOTIVE	5	AUSTIN	REPOWER 5 SWITCHERS	$1,090,000.00	$1,090,000.00	$1,090,000.00	206.7786	5	0.1133	$5,271
7	20052113	ARNOLD T SANCHEZ	REPLACEMENT	ON-ROAD	1	AUSTIN	REPLACE 1 TRUCK	$87,000.00	$87,000.00	$69,600.00	12.572	7	0.0072	$5,536
8	20052027	JUAN R BERBERENA	REPLACEMENT	ON-ROAD	1	AUSTIN	REPLACE 1 TRUCK	$84,000.00	$84,000.00	$67,200.00	10.2893	7	0.0059	$6,531
9	20052091	ADRIAN ROUTT	REPLACEMENT	ON-ROAD	1	AUSTIN	REPLACE 1 ON ROAD TRUCK	$129,000.00	$130,000.00	$103,200.00	14.8074	7	0.0085	$6,969
10	20052071	OSCAR L BARNES	REPLACEMENT	ON-ROAD	1	AUSTIN	REPLACE 1 ON ROAD TRUCK	$129,000.00	$129,000.00	$103,200.00	14.5511	7	0.0083	$7,092
11	20052068	PABLO JAIMES MARTINEZ	REPLACEMENT	ON-ROAD	1	AUSTIN	REPLACE 1 ON ROAD TRUCK	$84,000.00	$84,000.00	$67,200.00	9.4493	7	0.0054	$7,112
12	20052044	BILL LAWRENCE MARSHALL	REPLACEMENT	ON-ROAD	1	AUSTIN	REPLACE 1 ON ROAD TRUCK	$119,000.00	$120,000.00	$95,200.00	12.966	7	0.0074	$7,342
13	20052045	ROBERT M SULLIVAN JR	REPLACEMENT	ON-ROAD	1	AUSTIN	REPLACE 1 ON ROAD TRUCK	$119,000.00	$120,000.00	$95,200.00	12.4938	7	0.0071	$7,620
14	20052239	DARRAL G HENDERSON	REPLACEMENT	ON-ROAD	1	AUSTIN	REPLACE 1 TRUCK	$114,447.53	$114,447.53	$91,558.02	11.8286	5	0.0068	$7,740
15	20052073	ELADIO JAIMES	REPLACEMENT	ON-ROAD	1	AUSTIN	REPLACE 1 ON ROAD TRUCK	$83,935.30	$83,935.30	$67,148.24	8.644	5	0.0049	$7,768
16	20052260	JUAN ROCHA	REPLACEMENT	ON-ROAD	1	AUSTIN	REPLACE 1 TRUCK	$110,000.00	$110,000.00	$88,000.00	11.2827	7	0.0064	$7,800
17	20052442	JOSE F SOLARZANO	REPLACEMENT	ON-ROAD	1	AUSTIN	REPLACE 1 TRUCK	$119,496.00	$119,496.00	$95,596.80	12.0869	7	0.0069	$7,909
18	20052089	EDWARD ROGERS	REPLACEMENT	ON-ROAD	1	AUSTIN	REPLACE 1 ON ROAD TRUCK	$129,000.00	$130,000.00	$103,200.00	12.9565	7	0.0074	$7,965
	AUS TOTALS							**$2,973,058.54**	**$2,820,285.04**	**$2,533,048.76**	**454.0916**		**0.2546**	**$5,578**
1	20052556	SEABULK TOWING SERVICES INC	RE-POWER & RETRO-FIT	MARINE	8	BEAUMONT/PORT ARTHUR	REPOWER 4 MARINE ENGINES & RETRO-FIT 4 ENGINES	$1,468,000.00	$1,468,000.00	$1,468,000.00	332.8974	5	0.1902	$4,410
2	20052201	JAMES J FLANAGAN SHIPPING CORPORATION	REPLACEMENT	NON-ROAD	16	BEAUMONT/PORT ARTHUR	REPLACE 16 FORKLIFTS	$204,000.00	$204,000.00	$163,200.00	32.2145	7	0.0184	$5,066
3	20052191	CHARLES TRUCKING	REPLACEMENT	ON-ROAD	3	BEAUMONT/PORT ARTHUR	REPLACE 3 TRUCKS	$278,700.00	$278,700.00	$222,960.00	37.1011	7	0.0212	$6,010
4	20052374	MORAN TOWING OF TEXAS	RE-POWER, RETRO FIT	MARINE	3	BEAUMONT/PORT ARTHUR	RETROFIT 1 TUG WITH MARINE SYSTEMS ESI-IMO-03-01, REPOWER 2 AUX ENGINES ON 1 TUG	$742,000.00	$742,000.00	$742,000.00	122.552	5	0.0700	$6,055
5	20052316	JAMES J FLANAGAN SHIPPING CORPORATION	REPLACEMENT	NON-ROAD	36	BEAUMONT/PORT ARTHUR	REPLACE 31 TRACTORS & 5 FORKLIFTS	$2,656,138.86	$1,714,916.85	$1,714,916.85	282.1676	5	0.1612	$6,078
	BPA TOTALS							**$5,348,838.86**	**$4,407,616.85**	**$4,311,076.85**	**806.9326**		**0.4611**	**$5,343**
1	20052273	GAM WC INC	RE-POWER	MARINE	4	CORPUS CHRISTI	REPOWER 2 ENGINES & 2 GENERATORS ON 2 FISHING BOATS	$333,408.00	$332,908.00	$332,908.00	82.7019	7	0.0473	$4,025
2	20052432	BERRY CONTRACTING LP DBA BAY LTD	RE-POWER	NON-ROAD	7	CORPUS CHRISTI	REPOWER 7 WHEEL LOADER	$300,116.46	$227,164.14	$227,264.14	48.0683	5	0.0275	$4,728
3	20052105	HAC EQUIPMENT LTD	REPLACEMENT	NON-ROAD	6	CORPUS CHRISTI	REPLACE 3 WHEEL LOADERS & 4 GRADERS	$1,166,333.00	$176,699.00	$176,699.00	29.5985	7	0.0169	$5,970
4	20052555	SIGNET MARITIME CORPORATION	RE-POWER & RETRO-FIT	MARINE	2	CORPUS CHRISTI	REPOWER 1 MARINE ENGINE & RETRO-FIT 1 MARINE ENGINE	$862,000.00	$862,000.00	$862,000.00	140.9452	5	0.0805	$6,116
5	20052431	GARRETT CONSTRUCTION COMPANY	RE-POWER	NON-ROAD	5	CORPUS CHRISTI	REPOWER 3 GRADERS, 1 WHEEL LOADER, 1 CRAWLER TRACTOR	$146,874.44	$125,816.77	$125,816.78	19.4371	5	0.0111	$6,473
6	20052236	BERRY CONTRACTING LP DBA BAY LTD	RE-POWER	NON-ROAD	6	CORPUS CHRISTI	REPOWER 6 MOTOR GRADERS	$194,848.68	$194,848.68	$194,848.68	27.9774	5	0.0160	$6,965
7	20052218	INGRAM READYMIX INC	REPLACEMENT	ON-ROAD	12	CORPUS CHRISTI	REPLACE 12 CONCRETE TRUCKS	$1,329,392.16	$1,329,392.00	$1,063,513.73	134.9388	7	0.0771	$7,881
	CC TOTALS							**$4,332,972.74**	**$3,248,828.55**	**$2,983,050.33**	**483.6672**		**0.2764**	**$6,168**
1	20052140	TXI OPERATIONS LP	RE-POWER	NON-ROAD	2	DALLAS/FORT WORTH	REPLACE 2 OFF HIGHWAY TRUCKS	$88,981.50	$88,981.50	$88,981.50	25.3968	5	0.0145	$3,504
2	20052313	JOHNNY PAUL RATHMANN	REPLACEMENT/REPOWER	ON-ROAD	2	DALLAS/FORT WORTH	REPLACE 1 HAUL TRUCK, REPOWER 1 HAUL TRUCK	$143,255.35	$143,255.35	$114,604.28	30.8743	5	0.0176	$3,712
3	20052034	J & M TRUCKING AND EXCAVATION	REPLACEMENT	ON-ROAD	2	DALLAS/FORT WORTH	REPLACE 2 ON ROAD TRUCK	$200,887.70	$200,887.70	$160,710.16	37.8763	7	0.0216	$4,243
4	20051250	UNION PACIFIC RAILROAD COMPANY	REPLACEMENT	LOCOMOTIVE	33	DALLAS/FORT WORTH	REPLACE 33 LOCOMOTIVES	$51,245,000.00	$28,585,000.00	$28,585,000.00	6722.5177	10	1.8418	$4,252
5	20052513	TXI OPERATIONS LP	RE-POWER	NON-ROAD	2	DALLAS/FORT WORTH	REPLACE 2 WHEEL LOADERS	$85,746.00	$85,746.00	$85,746.00	18.3716	5	0.0105	$4,667
6	20052101	LAKE DEVELOPMENT CO INC DBA SMITH WELL SERVICE	RE-POWER	NON-ROAD	5	DALLAS/FORT WORTH	REPOWER 5 WORKOVER RIGS	$305,162.50	$305,162.50	$305,162.50	65.305	7	0.0373	$4,673
7	20052538	DARRELL WAYNE POINTER	REPLACEMENT	ON-ROAD	1	DALLAS/FORT WORTH	REPLACE 1 TRUCK	$117,000.00	$117,000.00	$93,600.00	19.0543	7	0.0109	$4,912
8	20052036	REBCON INCORPORATED	REPLACEMENT	NON-ROAD	1	DALLAS/FORT WORTH	REPLACE 1 EXCAVATOR	$141,481.77	$32,141.07	$32,141.07	6.4297	7	0.0037	$4,999
9	20052099	SCOTT ALAN TIDWELL	REPLACEMENT	ON-ROAD	1	DALLAS/FORT WORTH	REPLACE 1 TRUCK	$117,985.69	$121,985.69	$94,388.55	17.0827	5	0.0098	$5,525
10	20052141	TRINITY MATERIALS INC	REPLACEMENT/REPOWER	NON-ROAD	4	DALLAS/FORT WORTH	REPOWER 3 NON ROAD TRUCKS, REPLACE 1 LOADER	$166,232.41	$161,232.41	$132,985.93	24.0345	5	0.0137	$5,533
11	20052075	MONTE REED	REPLACEMENT	ON-ROAD	1	DALLAS/FORT WORTH	REPLACE 1 ON ROAD TRUCK	$116,264.00	$124,264.00	$93,011.20	16.0395	5	0.0092	$5,799
12	20052422	DALLAS COUNTY SCHOOLS	RETRO-FIT/ADD-ON	ON-ROAD	257	DALLAS/FORT WORTH	RETRO-FIT 257 SCHOOL BUSES	$463,371.00	$463,371.00	$463,371.00	79.0766	5	0.0452	$5,860
13	20052535	CITY OF GARLAND	RE-POWER	NON-ROAD	5	DALLAS/FORT WORTH	REPOWER 1 GRADER, 2 LOADERS, 2 SCRAPERS	$94,372.56	$94,372.56	$94,372.56	15.7994	5	0.0090	$5,973

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14	20052057	PRESTON MCCAULEY	REPLACEMENT	ON-ROAD	1	DALLAS/FORT WORTH	REPLACE 1 ON ROAD TRUCK	$122,789.00	$122,789.00	$98,231.20	16.2481	5	0.0093	$6,046
15	20052437	JD ABRAMS LP	REPLACEMENT	NON-ROAD	5	DALLAS/FORT WORTH	REPLACE 1 EXCAVATOR, 1 CRAWLER, 3 WHEEL LOADERS	$227,853.73	$227,853.73	$182,282.98	29.4759	7	0.0168	$6,184
16	20052361	KD FARM SERVICE LLC	REPLACEMENT	ON-ROAD	1	DALLAS/FORT WORTH	REPLACE 1 TRUCK	$111,063.78	$111,063.78	$88,851.02	13.769	5	0.0079	$6,453
17	20052147	WILSON FARMS	REPLACEMENT	ON-ROAD	1	DALLAS/FORT WORTH	REPLACE 1 TRUCK	$106,250.00	$106,250.00	$85,000.00	12.9343	7	0.0074	$6,572
18	20052145	WILSON FARMS	REPLACEMENT	ON-ROAD	1	DALLAS/FORT WORTH	REPLACE 1 TRUCK	$106,250.00	$106,205.00	$85,000.00	12.0374	7	0.0069	$7,061
19	20052100	APAC TEXAS INC	RE-POWER	NON-ROAD	2	DALLAS/FORT WORTH	REPOWER 2 LOADERS	$79,914.04	$29,590.25	$29,590.25	4.0755	5	0.0023	$7,261
	DFW TOTALS							**$54,039,861.03**	**$31,227,151.54**	**$30,913,030.21**	**7166.3986**		**2.0954**	**$4,314**
1	20052082	TRI STATE ELECTRIC LTD	REPLACEMENT	NON-ROAD	4	EL PASO	REPLACE 4 TRENCHER TRACTORS	$56,493.00	$56,493.00	$45,194.40	5.6435	7	0.0032	$8,008
	ELP TOTALS							**$56,493.00**	**$56,493.00**	**$45,194.40**	**5.6435**		**0.0032**	**$8,008**
1	20052292	CHERRY CRUSHED CONCRETE INC	ON-SITE INFRASTRUCTURE, REPLACEMENT	NON-ROAD	2	HOUSTON/GALVESTON	REPLACE 1 WATER TRUCK, & RUN ELECTRIC TO SITE	$157,148.18	$65,326.00	$51,326.00	66.8405	5	0.0382	$768
2	20052219	IDLEAIRE TECHNOLOGIES CORPORATION	ON-SITE INFRASTRUCTURE	ON-ROAD	12	HOUSTON/GALVESTON	12 ATEs	$11,971,506.00	$5,995,250.00	$5,995,250.00	4532.0025	15	1.7738	$1,323
3	20052178	PIPELINE TRUCKING INC	REPLACEMENT	ON-ROAD	12	HOUSTON/GALVESTON	REPLACE 12 TRUCKS	$414,000.00	$414,000.00	$331,200.00	219.8529	7	0.1256	$1,506
4	20052434	MEGAFLEET TOWING CO INC	RE-POWER	MARINE	4	HOUSTON/GALVESTON	REPOWER 4 MARINE ENGINES	$434,114.00	$434,114.00	$434,114.00	234.1214	10	0.1338	$1,854
5	20052311	LANDONS WRECKER SERVICE	REPLACEMENT	ON-ROAD	1	HOUSTON/GALVESTON	REPLACE 1 ON-ROAD TRUCK	$135,280.00	$72,000.00	$72,000.00	28.5587	5	0.0163	$2,521
6	20052312	LANDONS WRECKER SERVICE	REPLACEMENT	ON-ROAD	1	HOUSTON/GALVESTON	REPLACE 1 TRUCK	$135,280.00	$82,000.00	$82,000.00	29.2499	5	0.0167	$2,803
7	20052405	TRTB INC	RE-POWER	MARINE	4	HOUSTON/GALVESTON	REPOWER 4 MARINE ENGINES	$280,557.00	$280,557.00	$280,557.00	99.9392	10	0.0571	$2,807
8	20052175	BOONE TOWING INC	RE-POWER	MARINE	8	HOUSTON/GALVESTON	REPOWER 2 PROPULSION ENGINES & 2 GENERATORS ON 2 TUG BOATS, TOTAL OF 8 ENGINES	$609,656.00	$609,656.00	$609,656.00	202.9749	7	0.1160	$3,004
9	20052197	WEISINGER WATER WELL INC	RE-POWER	NON-ROAD	40	HOUSTON/GALVESTON	REPOWER 40 PIECES OF VARIOUS EQUIPMENT	$2,655,153.00	$2,789,798.00	$2,655,153.00	789.4007	7	0.4511	$3,364
10	20052409	DI VAN LE	RE-POWER	MARINE	1	HOUSTON/GALVESTON	REPOWER 1 MARINE ENGINE	$58,622.00	$58,622.00	$58,622.00	17.0848	16	0.0098	$3,431
11	20052356	VAN SANG PHAN	RE-POWER	MARINE	1	HOUSTON/GALVESTON	REPOWER 1 MARINE ENGINE	$58,622.00	$61,122.00	$58,622.00	17.0664	16	0.0098	$3,435
12	20052419	JACINTOPORT INTERNATIONAL LP	REPLACEMENT	NON-ROAD	1	HOUSTON/GALVESTON	REPLACE 1 FORKLIFT	$425,686.75	$43,282.43	$43,282.43	11.6027	5	0.0066	$3,730
13	20052404	SAUL TOPETE	REPLACEMENT	ON-ROAD	1	HOUSTON/GALVESTON	REPLACE 1 TRUCK	$80,281.54	$80,281.54	$64,225.23	17.0754	7	0.0098	$3,761
14	20052230	FELDER WATER WELL & PUMP SERVICE LLC	REPLACEMENT	ON-ROAD	2	HOUSTON/GALVESTON	REPLACE 2 DRILLING RIGS	$212,646.00	$212,464.00	$170,116.80	40.1206	7	0.0229	$4,240
15	20051249	UNION PACIFIC RAILROAD COMPANY	REPLACEMENT	LOCOMOTIVE	56	HOUSTON/GALVESTON	REPLACE 56 LOCOMOTIVES	$81,715,000.00	$45,125,000.00	$45,125,000.00	10614.53	10	2.9081	$4,251.25
16	20052518	GLORY-LE TRUCKING COMPANY	REPLACEMENT	ON-ROAD	6	HOUSTON/GALVESTON	REPLACE 6 TRUCKS	$352,500.00	$352,500.00	$282,000.00	66.0662	7	0.0378	$4,268
17	20052156	G O WEISS INC	RE-POWER	NON-ROAD	1	HOUSTON/GALVESTON	REPOWER 1 BULLDOZER	$21,293.00	$20,352.82	$20,352.52	4.4451	5	0.0025	$4,579
18	20052226	QUINT SANDERSON	REPLACEMENT	NON-ROAD	1	HOUSTON/GALVESTON	REPLACE 1 TRACTOR	$101,375.52	$56,600.00	$56,600.00	12.196	7	0.0070	$4,641
19	20052276	WATERSIDE SERVICES INC	RE-POWER	MARINE	2	HOUSTON/GALVESTON	REPOWER 2 MARINE ENGINES ON 1 BOAT	$190,236.00	$190,236.00	$190,236.00	40.315	10	0.0230	$4,719
20	20052476	RUZHDI HALILI TRUST - HAJRULLA HALILI (PRESTIGE OYSTER INC)	RE-POWER	MARINE	13	HOUSTON/GALVESTON	REPOWER 13 MARINE ENGINES	$2,237,123.00	$1,641,762.00	$1,641,762.00	346.3231	10	0.1979	$4,741
21	20052245	FRANCISCO TORRES	REPLACEMENT	ON-ROAD	1	HOUSTON/GALVESTON	REPLACE 1 TRUCK	$131,500.00	$131,500.00	$105,200.00	21.2431	5	0.0121	$4,952
22	20052510	ANDREWS TRANSPORT LP	REPLACEMENT	ON-ROAD	15	HOUSTON/GALVESTON	REPLACE 15 TRUCKS	$1,224,349.15	$1,224,349.15	$248,241.03	50.0448	5	0.0286	$4,960
23	20052417	THU NINH LE	RE-POWER	MARINE	1	HOUSTON/GALVESTON	REPOWER 1 MARINE ENGINE	$58,622.00	$61,122.00	$58,622.00	11.6893	16	0.0067	$5,015
24	20052461	THANH NGOC HUYNH	RE-POWER	MARINE	1	HOUSTON/GALVESTON	REPOWER 1 MARINE ENGINE	$58,622.00	$61,122.00	$58,622.00	11.6893	16	0.0067	$5,015
25	20052487	TRAN NGOC THANH	RE-POWER	MARINE	1	HOUSTON/GALVESTON	REPOWER 1 MARINE ENGINE	$61,222.00	$61,122.00	$58,622.00	11.6893	16	0.0067	$5,015
26	20052290	LARSON INTERMODAL INC	REPLACEMENT	NON-ROAD	2	HOUSTON/GALVESTON	REPLACE 2 AIR COMPRESSORS	$23,390.00	$23,390.00	$18,712.00	3.6877	5	0.0021	$5,074
27	20052285	CERES GULF INC	REPLACEMENT	NON-ROAD	3	HOUSTON/GALVESTON	REPLACE 3 TERMINAL TRACTORS & 12 FORKLIFTS	$623,845.00	$288,373.00	$288,373.29	55.8085	5	0.0319	$5,167
28	20052215	KINDER MORGAN PETCOKE LP	REPLACEMENT	NON-ROAD	1	HOUSTON/GALVESTON	REPLACE 1 PIECE OF EQUIPMENT	$731,443.81	$134,999.13	$134,999.13	24.6498	5	0.0141	$5,477
29	20052261	DIAMOND K EQUIPMENT INC	REPLACEMENT	ON-ROAD	1	HOUSTON/GALVESTON	REPLACE 1 TRUCK	$72,000.00	$72,000.00	$57,600.00	10.3988	5	0.0059	$5,539
30	20052567	STEVE LOGGINS	REPLACEMENT	ON-ROAD	1	HOUSTON/GALVESTON	REPLACE 1 TRUCK	$104,388.61	$104,388.61	$83,510.89	14.8074	7	0.0085	$5,640
31	20052298	CHRISTOPHER HOLMES	REPLACEMENT	ON-ROAD	1	HOUSTON/GALVESTON	REPLACE 1 ON-ROAD TRUCK	$132,121.62	$132,121.62	$105,697.30	18.7059	5	0.0107	$5,650
32	20052180	ADRIAN RODRIGUEZ (CDL EXPRESS)	REPLACEMENT	ON-ROAD	4	HOUSTON/GALVESTON	REPLACE 4 TRUCKS	$400,000.00	$400,000.00	$320,000.00	56.5866	7	0.0323	$5,655
33	20052473	T & T OFFSHORE INC	RE-POWER	MARINE	15	HOUSTON/GALVESTON	REPOWER 15 MARINE ENGINES	$1,695,228.90	$1,787,625.00	$1,695,228.90	291.3831	7	0.1665	$5,818
34	20052315	RICHWAY CARTAGE INC	REPLACEMENT	NON-ROAD	9	HOUSTON/GALVESTON	REPLACE 5 FORKLIFTS AND 4 TRACTORS	$1,199,346.00	$707,403.15	$716,833.78	122.9252	5	0.0702	$5,831
35	20052294	AIR LIQUIDE AMERICA LP	REPLACEMENT	ON-ROAD	1	HOUSTON/GALVESTON	REPLACE 1 TRUCK	$79,297.00	$79,297.00	$63,437.60	10.601	5	0.0061	$5,984
36	20052411	JIMMY NGUYEN	RE-POWER	MARINE	1	HOUSTON/GALVESTON	REPOWER 1 MARINE ENGINE	$58,622.00	$61,122.00	$58,622.00	9.7411	16	0.0056	$6,018
37	20052378	MIGUEL JIMENEZ	REPLACEMENT	ON-ROAD	1	HOUSTON/GALVESTON	REPLACE 1 TRUCK	$130,241.00	$87,500.00	$87,000.00	14.2223	5	0.0081	$6,117
38	20052008	BALFOUR BEATTY CONSTRUCTION INC	REPLACEMENT	NON-ROAD	1	HOUSTON/GALVESTON	REPLACE 1 WHEEL LOADER	$146,384.23	$25,787.69	$25,787.69	4.1968	7	0.0024	$6,145
39	20052552	APACHE WASTE LP	REPLACEMENT	ON-ROAD	2	HOUSTON/GALVESTON	REPLACE 2 TRUCKS	$234,222.92	$234,222.92	$187,378.34	29.5029	5	0.0169	$6,351
40	20052286	SHIPPERS STEVEDORING COMPANY	REPLACEMENT	NON-ROAD	2	HOUSTON/GALVESTON	REPLACE 2 TRUCKS	$226,830.00	$226,830.00	$102,184.96	16.027	5	0.0092	$6,376
41	20052284	GULF STREAM MARINE	REPLACEMENT	NON-ROAD	15	HOUSTON/GALVESTON	REPLACE 3 TERMINAL TRACTORS & 12 FORKLIFTS	$617,042.52	$269,592.39	$269,592.36	42.0564	5	0.0240	$6,410
42	20052420	C T STEVEDORING INC	REPLACEMENT	NON-ROAD	12	HOUSTON/GALVESTON	REPLACE 12 FORKLIFTS	$240,833.50	$240,833.54	$192,666.80	29.8871	5	0.0171	$6,446
43	20052353	TRAN VAN LE	RE-POWER	MARINE	1	HOUSTON/GALVESTON	REPOWER 1 MARINE ENGINE	$76,685.00	$79,185.50	$76,685.50	11.6893	16	0.0067	$6,560

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44	20052257	ELIASAR FLORES	REPLACEMENT	ON-ROAD	1	HOUSTON/GALVESTON	REPLACE 1 TRUCK	$101,000.00	$101,000.00	$80,800.00	12.3027	5	0.0070	$6,568
45	20052314	BUDCO DRILLING COMPANY INC	RE-POWER	NON-ROAD	6	HOUSTON/GALVESTON	REPOWER 6 OIL FIELD EQUIPMENT	$448,609.00	$448,609.00	$448,609.00	66.0303	7	0.0377	$6,794
46	20052183	WILLIAMS BROTHER CONSTRUCTION COMPANY INC	RE-POWER	NON-ROAD	47	HOUSTON/GALVESTON	REPOWER 47 CRAWLER CRANES	$2,860,791.00	$2,860,791.00	$2,860,791.00	415.9286	7	0.2377	$6,878
47	20052372	ALL DAY CONCRETE	REPLACEMENT	ON-ROAD	1	HOUSTON/GALVESTON	REPLACE 1 TRUCK	$185,439.00	$137,080.78	$137,080.00	19.816	5	0.0113	$6,918
48	20052295	MICHAEL JENKINS	RE-POWER	ON-ROAD	1	HOUSTON/GALVESTON	REPOWER 1 TRUCK	$37,143.00	$37,143.00	$22,713.68	3.2448	5	0.0019	$7,000
49	20052370	ARTURO PENA	RE-POWER	ON-ROAD	1	HOUSTON/GALVESTON	REPOWER 1 TRUCK	$31,128.09	$31,128.09	$25,334.63	3.6192	5	0.0021	$7,000
50	20052465	MARIA GUADALUPE MADRIGAL	REPLACEMENT	ON-ROAD	1	HOUSTON/GALVESTON	REPLACE 1 TRUCK	$118,514.93	$118,000.00	$94,811.94	13.3087	7	0.0076	$7,124
51	20052390	BUFFALO MARINE SERVICE INC	RE-POWER	MARINE	13	HOUSTON/GALVESTON	REPOWER 13 MARINE ENGINES	$1,091,300.00	$1,100,800.00	$1,091,300.00	151.5258	7	0.0866	$7,202
52	20052479	JORGE GONZALES	REPLACEMENT	ON-ROAD	3	HOUSTON/GALVESTON	REPLACE 3 TRUCKS	$429,000.00	$429,000.00	$343,200.00	47.2332	6	0.0270	$7,266
53	20052268	LAWRENCE EDWARDS	REPLACEMENT	ON-ROAD	1	HOUSTON/GALVESTON	REPLACE 1 TRUCK	$120,142.00	$120,142.00	$96,113.60	13.2209	5	0.0076	$7,270
54	20052289	S&T TRUCKING	REPLACEMENT	ON-ROAD	5	HOUSTON/GALVESTON	REPLACE 5 TRUCKS	$597,026.00	$597,026.00	$477,620.80	65.3235	5	0.0373	$7,312
55	20052258	GUSTAVO FLORES	REPLACEMENT	ON-ROAD	1	HOUSTON/GALVESTON	REPLACE 1 TRUCK	$82,000.00	$82,000.00	$65,600.00	8.9621	5	0.0051	$7,320
56	20052176	TUG JOSEPHINE INC	RE-POWER	MARINE	12	HOUSTON/GALVESTON	REPOWER 2 GENERATORS & 2 PROPULSION ENGINES ON 3 TUG BOATS FOR A TOTAL OF 12 ENGINES	$1,001,558.00	$1,001,558.00	$1,001,558.00	133.0799	7	0.0760	$7,526
57	20052344	HUMBERTO OLIVA	REPLACEMENT	ON-ROAD	1	HOUSTON/GALVESTON	REPLACE 1 TRUCK	$116,249.63	$111,000.00	$92,999.70	12.1901	5	0.0070	$7,629
58	20052358	BA TRAN	RE-POWER	MARINE	1	HOUSTON/GALVESTON	REPOWER 1 MARINE ENGINE	$79,185.50	$79,185.50	$76,685.50	9.7411	16	0.0056	$7,872
59	20052366	MUOI NGUYEN	RE-POWER	MARINE	2	HOUSTON/GALVESTON	REPOWER 2 MARINE ENGINES	$153,371.00	$153,371.00	$153,371.00	19.4822	16	0.0111	$7,872
60	20052384	DANIEL MAJANO	REPLACEMENT	ON-ROAD	1	HOUSTON/GALVESTON	REPLACE 1 TRUCK	$101,681.91	$94,000.00	$81,345.53	10.2639	5	0.0059	$7,925
61	20052052	A J SARAGUZA TRUCKING CO INC	REPLACEMENT	ON-ROAD	2	HOUSTON/GALVESTON	REPLACE 2 ON ROAD TRUCKS	$242,151.32	$242,151.32	$193,721.06	24.3781	7	0.0139	$7,947
62	20052524	HASARA CULVERT & CONTRACTING INC	REPLACEMENT	ON-ROAD	2	HOUSTON/GALVESTON	REPLACE 2 TRUCK	$229,433.87	$229,433.87	$183,547.10	23.0651	7	0.0132	$7,958
	HGA TOTALS							**$118,598,041.50**	**$73,052,230.05**	**$70,762,895.08**	**19315.7149**		**7.0643**	**$3,663**
1	20052001	BILL HALL JR TRUCKING COMPANY	REPLACEMENT	ON-ROAD	1	SAN ANTONIO	REPLACE 1 TRUCK	$47,000.00	$47,000.00	$37,600.00	13.9659	7	0.0080	$2,692
2	20052429	TIMMS TRUCKING & EXCAVATING LTD	REPLACEMENT	ON-ROAD	3	SAN ANTONIO	REPLACE 3 TRUCKS	$76,512.00	$76,512.00	$61,209.60	17.1792	5	0.0098	$3,563
3	20051253	UNION PACIFIC RAILROAD COMPANY	REPLACEMENT	LOCOMOTIVE	9	SAN ANTONIO	REPLACE 9 LOCOMOTIVES	$9,344,232.00	$7,650,000.00	$7,475,385.60	1803.7431	10	0.4942	$4,144
4	20051290	ALAMO GULF COAST RAILROAD	RETRO-FIT/ADD-ON	LOCOMOTIVE	1	SAN ANTONIO	RETROFIT 1 SWITCHER	$587,000.00	$523,475.00	$523,475.00	104.716	20	0.0143	$4,999
5	20052309	WEISMAN EQUIPMENT CO LTD	REPLACEMENT	NON-ROAD	4	SAN ANTONIO	REPLACE 4 OFF HIGHWAY TRACTORS	$2,485,700.00	$1,005,363.86	$1,005,363.88	186.6986	7	0.1067	$5,385
6	20052514	MCCI READY MIX CONCRETE LTD	REPLACEMENT	NON-ROAD	1	SAN ANTONIO	REPLACE 1 LOADER	$115,732.73	$15,000.00	$15,000.00	2.2604	5	0.0013	$6,636
7	20052134	BRUCE BRENT NICHOLSON	REPLACEMENT	ON-ROAD	1	SAN ANTONIO	REPLACE 1 TRUCK	$112,655.08	$113,655.08	$90,124.06	12.7385	7	0.0073	$7,075
8	20052055	LEONARD ABBOTT	REPLACEMENT	ON-ROAD	1	SAN ANTONIO	REPLACE 1 ON ROAD TRUCK	$129,000.00	$129,000.00	$103,200.00	14.3714	7	0.0082	$7,181
9	20052126	DEAN WORD COMPANY LTD	REPLACEMENT	ON-ROAD	10	SAN ANTONIO	REPLACE 10 TRUCKS	$820,090.00	$819,920.00	$656,072.00	90.2275	7	0.0516	$7,271
10	20052122	DEAN WORD COMPANY LTD	REPLACEMENT	ON-ROAD	5	SAN ANTONIO	REPLACE 5 TRUCKS	$423,690.00	$418,690.00	$338,952.00	44.4597	7	0.0254	$7,624
11	20052240	INGRAM READYMIX INC	REPLACEMENT	ON-ROAD	39	SAN ANTONIO	REPLACE 39 TRUCKS	$4,323,524.93	$4,323,644.93	$3,458,819.94	440.4561	7	0.2517	$7,853
12	20052142	CRISTOVAL R SILVA	REPLACEMENT	ON-ROAD	1	SAN ANTONIO	REPLACE 1 TRUCK	$127,500.00	$127,499.00	$102,000.00	12.8388	5	0.0073	$7,945
	SAT TOTALS							**$18,592,636.74**	**$15,249,759.87**	**$13,867,202.09**	**2743.6552**		**0.9858**	**$5,054**
1	20052163	HOPEWELL OPERATING INC	REPLACEMENT	STATIONARY	1	TYLER/LONGVIEW	REPLACE 1 NATURAL GAS PIPELINE COMPRESSOR	$414,238.00	$414,238.00	$331,390.40	140.3408	5	0.0757	$2,361
2	20052283	THERRAL STORY WELL SERVICE LLC	RE-POWER	NON-ROAD	13	TYLER/LONGVIEW	REPOWER 6 WORKOVER OILFIELDS, 7 MUD PUMPS	$1,015,209.00	$1,015,209.00	$1,015,209.00	176.4638	7	0.1008	$5,753
3	20052550	TXU POWER	REPLACEMENT	NON-ROAD	2	TYLER/LONGVIEW	REPLACE 2 PIECES NON-ROAD EQUIPMENT	$1,981,450.00	$1,981,450.00	$794,800.28	130.5168	7	0.0746	$6,090
	TYL TOTALS							**$3,410,897.00**	**$3,410,897.00**	**$2,141,399.68**	**447.3214**		**0.2511**	**$4,787**
127	**TOTAL RECOMMENDED FOR FUNDING**							**$207,352,799.41**	**$133,473,261.97**	**$127,556,897.40**	**31423.425**		**11.3919**	**$4,059**

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APPENDIX B – OUTREACH EFFORTS

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AACOG Public Outreach Efforts (01/05 - 06/05)

Efforts to Date of June 9, 2005

1. Television

Type of Outreach	Subject	Contact Persons w/Organizations	Date	Target Audience
Weather Forecast	Air Quality Health Alert (AQHA)	Alison Young, AACOG WOAI TV KENS TV KSAT TV News 9 San Antonio FOX News	5/21, 5/31, 6/1, 6/21, 6/22, 6/23, 7/11, 7/30, 7/31, 8/1, 8/2, 8/23, 8/31, 9/1, 9/6, 9/9, 9/22, 9/26, 9/28, 10/17/, 10/18/2005	General Public
Video	AACOG's video: Carpooling and Commute Solutions program recording	Alison Young, AACOG Tiffany Pickens, AACOG	7/6/2005	People viewing AACOG video (AACOG employees & others)
Taping	EarthMatters; promoting Walk & Roll Challenge	Alison Young, AACOG	8/8/05	General Public
Taping	VIA On The Town; promoting Walk & Roll Challenge	Alison Young, AACOG	9/1/2005	General Public

2. Radio

Type of Outreach	Subject	Contact Persons w/Organizations	Date	Target Audience
Remote	AQ promotion	Alison Young, AACOG KISS	7/14/2005	General Public
Remote	AQ promotion	Alison Young, AACOG K-Rock	7/30/2005	General Public
Remote	AQ promotion	Alison Young, AACOG KISS	8/19/2005	General Public
Remote	AQ promotion	Alison Young, AACOG K-Rock	9/3/2005	General Public
Remote	AQ promotion	Alison Young, AACOG KISS	9/9/2005	General Public
Interview	AQ promotion	Alison Young, AACOG Virginia Lovelady, KZEP	10/6/2005	General Public
Weather Forecast	AQHA	Alison Young, AACOG KTSA-radio WOAI-radio KSYM Radio Texas Public Radio BBN Radio Station KYFS	5/21, 5/31, 6/1, 6/21, 6/22, 6/23, 7/11, 7/30, 7/31, 8/1, 8/2, 8/23, 8/31, 9/1, 9/6, 9/9, 9/22, 9/26, 9/28, 10/17/, 10/18/2005	General Public

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Interview	AQ and ACAP promotion	Brenda Williams, AACOG KSAT - radio	11/15/2005	General Public

3. Newspaper & Internet

Source	Title of article	Contact Persons w/Organizations	Date	Target Audience
Article: San Antonio Express News	Title: "S.A. pushing ways to beat high gas prices"	Alison Young, AACOG Scott Erickson, MPO Scott Huddleston, SA Express News	10/1/2005	General Public
Article: San Antonio Express News	Title: "Another hit in battle to stay off 'dirty air' list "	Peter Bella AACOG Brenda Williams, AACOG Anton Caputo, SA Express-News	11/15/2005	General Public

4. School - Related Education

Type of Outreach	Subject	Contact Persons w/Organizations	Date	Target Audience
Presentation	Air Quality for Environmental Teachers	Alison Young, AACOG Eric Bowman	7/11/2005	UTSA grad class (elementary teachers)
Multiple Presentations	Air Quality @ Seele Elementary	Heather Willden, AACOG Kathryn Blake, Seele Elem.	10/21/2005	4th grade students
Workshop	Nurse Workshop	Alison Young, AACOG Phyllis Priess, SAISD	8/10/2005	SAISD school nurses
Presentation	The Benefits on Limiting Idling of School Buses	Isabel Chacon, AACOG	9/9/2005	SAISD school bus drivers and bus assistants
Presentation	School Traffic Safety Conference	Heather Willden, AACOG	11/4/2005	Educators, Transportation Officials & Planners

5. Events & Public Meetings

Type of Outreach	Subject	Contact Persons w/Organizations	Date	Target Audience
Event	PREP Closing Ceremonies (received recognition)	Heather Willden, AACOG Raul Reyna, Ph.D. UTSA	7/29/2005	PREP students, teachers, parents, & partners
Event	HERO 2nd Annual Homeschool Roundup Conference	Alison Young, Heather Willden, Isabel Chacon, Brenda Williams, & Georgia Zannaras, AACOG	7/30/2005	Homeschooling Families
Meeting	Walkable Communities Workshop - Heritage Neighborhood	Alison Young, AACOG	8/8/2005	Heritage Neighborhood Association Members
Meeting	AIR Exec. & Advisory Committees (Report - Comm. Solu. program & AQ outreach)	Alison Young, AACOG	8/24/2005	General Public, Public Officials, and staff
Event	Transportation Leadership Forum	Heather Wilden, AACOG Alison Young, AACOG	9/7/2005- 9/8/2005	Public officials, transportation planners
Event	National Public Lands Day	Heather Wilden, AACOG Alison Young, AACOG	9/10/2005	General Public
Event	American Heart Association Heart Walk	Alison Young, AACOG	9/17/2005	General Public

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Event	Science Fair, UTHSC SA	Heather Wilden, AACOG Alison Young, AACOG Isabel Chacon, AACOG	9/17/2005	Students, parents, & Science teachers
Event	Texercise	Alison Young, AACOG	9/23/2005	Senior Citizens
Event	Harcourt Assessment, Inc. Environmental Fair	Heather Willden & Alison Young, AACOG	10/11/2005	Harcourt Employees
Workshop	Adopt-a-School Bus	Isabel Chacon, AACOG Brenda Williams, AACOG	10/20/2005	Fleet managers, air quality planners, school district transportation directors
Event	Standard Aero - Commute Solutions Table	Heather Willden, AACOG	10/20/2005	Standard Aero Employees
Event	Wildlife Festival and Plant Sale @ Mitchell Lake Audubon Center	Heather Willden, Isabel Chacon, & Brenda Williams AACOG	10/22/2005	General Public
Event	Renewable Energy Roundup @ Fredericksburg, TX	Isabel Chacon, AACOG Peter Bella, AACOG	10/23-10/25, 2005	General Public
Event	El Camino Real Bike Ride	Lydia Kelly, MPO	10/25/2005	
Event	Lackland AFB Organizational Fair		10/28/2005	
Event	Texas Recycles Day @ Dwight D. Eisenhower Park	Georgia Zannaras, AACOG Heather Willden, AACOG Brenda Williams, AACOG	11/16/2005	5th & 6th Graders
Event	GIS Day	Heather Willden, Isabel Chacon, Steven Smeltzer, Parviz Nazem, Brenda Williams	11/16/2005	General Public; High School Students
Event	Christmas Along the Corridor	Brenda Williams, AACOG Heather Willden, AACOG Burma Hyde, AACOG	12/3/2005	General Public

6. Press Items and Proclamations

Type of Outreach	Subject	Contact Persons w/Organizations	Date	Target Audience
Proclamation	Bexar County - Walk & Roll Challenge	Alison Young & Heather Willden, AACOG Gloria Boysen & Mike Domeniquez, VIA Richard Higby, Bexar County Scott Erickson & Lydia Kelly, MPO	9/20/2005	County Officials, General Public
Press Conference	Walk & Roll Challenge	Alison Young & Heather Willden, AACOG Gloria Boysen & George Martinez, VIA Scott Erickson & Lydia Kelly, MPO	9/30/2005	Public Officials, General Public
Proclamation	City of San Antonio - Walk & Roll Challenge	Alison Young & Heather Willden, AACOG Gloria Boysen & Mike Domeniquez, VIA Richard Higby, Bexar County Scott Erickson & Lydia Kelly, MPO	10/6/2005	County Officials, General Public
News Release	Walk & Roll Challenge - Saving Fuel One Mile at a Time	Alison Young & Heather Willden, AACOG	9/14/2005	Greater Northwest Neighborhood Associations
	Walk & Roll Challenge - Saving Fuel	Alison Young & Heather Willden, AACOG		

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News Release	Walk & Roll Challenge - Saving Fuel One Mile at a Time	Tiffany Pickens, AACOG Scott Erickson, MPO	9/28/2005	General Public
Press Conference	Clean Cities Beyond A Billion Event/Grand Opening of E85 Station	Isabel Chacon, AACOG Yvonne Escamilla, Bexar County	10/19/2005	General Public
News Release	Clean Cities Beyond A Billion Event	Isabel Chacon, AACOG	10/19/2005	General Public
News Release	Ozone Season 2005 Ends	Brenda Williams, AACOG Peter Bella, AACOG	10/31/2005	General Public

7. Website for Public Viewing

Agency/Company	Site Name	How It Relates	URL
AACOG	Air Quality	AQ Info	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	Buisiness community commitment to AQ	http://www.aacog.com/acap/
AACOG	Walk & Roll Challenge	Month-long challenge promoting walking, biking, carpooling/vanpooling, and busing	http://www.walkandrollchallenge.com/
AACOG	Clean Cities	Promotes alternative fuels	http://www.aacog.com/naturalresources/cleancities/
AACOG	Kids Zone	Links and fun activites about AQ for kids	http://www.aacog.com/community/kidszone/kids%20zone.htm
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.htm
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	http://www.aacog.com/naturalresources/1996%20Emissions%20Inventory/1996EI_TOC.html
		Posting of San Antonio region air EI for 1999	http://www.aacog.com/naturalresources/1999%20Emissions%20Inventory/AACOG1999EI_OnlineIndex.html
		Posting of San Antonio region air EI for 2002	http://www.aacog.com/naturalresources/2002_NET_EI/
AACOG	Emissions Trend Analysis 2005	Posting of report	http://www.aacog.com/naturalresources/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/ozone.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?elmt_id=13

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WOAI	Air Quality	General Iinformation on AQ, ozone, & AQHA days	http://www.woai.com/weather/story.aspx?content_id=B9E06E29-059F-4DAD-ACFA-9DF72655970F	

3. Alamo Clean Air Partnership (ACAP) Efforts

Type of Outreach	Subject	Contact Persons w/Organizations	Date	Target Audience
Television Interview	ACAP	Brenda Williams, AACOG Al Notzon, AACOG	7/1/2005	General Public
Press Release	ACAP Charter Member Recognition	Brenda Williams, AACOG Media	8/16/2005	General Public
PSA	ACAP Charter Member Recognition	Alison Young, AACOG Media	8/16/2005	General Public
Radio Interview	ACAP Charter Member Awards	Alison Young, AACOG JT, KTSA Radio	8/22/2005	General Public
Presentation& Distribution	ACAP / ACAP Flyers	Brenda Williams, AACOG Mike Harris, SAMA	7/26/2005	SAMA Env Committee
Distribution	ACAP Flyers	Brenda Williams, AACOG Isabel Chacon, AACOG	8/5/2005	Clean Cities Stakeholders
Presentation & Distribution	ACAP Toolkit	Brenda Williams, AACOG Eric Tiemeyer, Valero	8/12/2005	Valero Staff
Distribution	ACAP Flyers	Brenda Williams, AACOG Isabel Chacon, AACOG	10/7/2005	Clean Cities Stakeholders
Distribution	ACAP Brochures & Toolkits	Brenda Williams, AACOG Isabel Chacon, AACOG	10/20/2005	Fleet Managers
Distribution	ACAP Toolkit	Brenda Williams, AACOG Patrick Lyons, Harcourt	11/9/2005	Harcourt Staff
Distribution	ACAP Presentation, Flyers, & Toolkits	Al Notzon & Dean Danos, AACOG Transportation Subcommittee	11/16/2005	Greater SA Chamber of Commerce
Presentation	ACAP Program	Brenda Williams, AACOG Scott Erickson, MPO	11/18/2005	PIOs for various agencies

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

Type of Outreach	Subject / Title	Description	Quantity	Target Audience
Map	San Antonio-Bexar County Bike Map	Informational map for the region	7	Bicyclists
Form	AQHA Sign-Up Forms	Participation Form	134	General Public, School Nurses
Flyer	How's The Air Out There	TCEQ informational flyer, describes AQI designations, able to print local information on back	457	General Public
Flyer	We'd Love To Visit...	Promotes AACOG program presentations	69	General Public, organization members

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Flyer	Do Your Share for Cleaner Air	TCEQ informational flyer offering quick tips for people to remember to help clean the air, able to print local information on back	28	General Public
Childrens Item	Tex & Dot Coloring Book	TxDot Activity/Coloring Book featuring Tex & Dot	55	Elementary-age children
Poster	Air Pollution Gremlins	TCEQ poster attributing six Gremlin characters with the six primary air pollutants (e.g. Odious Ozone), English & Spanish	104	Teachers, Elementary-age to Middle School-age children
Booklet	Car Care 101	Information booklet designed to provide basic car maintenance tips and air quality awareness	108	General public, driving age
Promotional Item	Key Ring with Tire Pressure Gauge	Encourages tire pressure maintenance and improved gas mileage	862	General public, driving age
Childrens Item	Tex & Dot & the Clean Air Crew	DCAT/TCEQ activity/coloring book for	158	Elementary-age children
Promotional Item	DCAT Notepads	Provides quick tips to improve air quality	429	General Public
Promotional Item	Clean Air Pencils	Promote clean air	15	General Public
Promotional Item	Commute Solutions Lanyards	Incentive item to encourage program participation (e.g. reward for carpoolers)	25	Driving-age general public
Promotional Item	Commute Solutions Lunch Sacks	Incentive item to encourage program participation (e.g. reward for carpoolers)	25	Driving-age general public
Teacher Resource	Lesson Plans & Resources for Teaching Environmental Sciences	TCEQ developed lesson plans on environmental topics to include air quality	10	Teachers, Middle School
Flyer/Sign	Kids Clean Up The Air	Informs children on ways they can help clean up the air	78	Elementary-age children
Flyer	AIR Project Event		26	
Flyer	Walk & Roll Challenge Event	promoted event	691	General Public
Brochure	AACOG	Brochure describing the many functions of	43	General Public
Promotional Item	No Idle Pledge Pens	Reminds public to avoid idling	48	General Public
Card	Business Cards	Point-of-Contact material	84	General Public
Promotional Item	Commute Solutions Squeeze Car	Incentive item to encourage program participation (e.g. reward for carpoolers)	27	Driving-age general public
Promotional Item	Commute Solutions Travel Mug	Incentive item to encourage program participation (e.g. reward for carpoolers)	25	Driving-age general public
Form	Carpool/Bike Buddies Sign-Up	Participation form to join program	251	General Driving-age public
Brochures/Form	CARE	Promote and recruit CARE program participants	223	Carpoolers (those who have matched in program)
Video	DCAT Clean Air Crew	DCAT cartoon, 6 minute video featuring Tex & Dot & the Clean Air Crew	13	Elementary-age Children & Teachers
Promotional Item	Adopt-a-School Bus Bookmark	Encourage cleaner school buses	404	Elementary-age children
Flyer/Form	School Commute Solutions	Participation form to join program	170	K-12 parents/Teachers/Principals

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Poster	Care For Our Air	DCAT Promotional/Educational material, featuring Tex & Dot & the Clean Air Crew	31	Elementary-age children/Teachers
Poster	Ollie's Air Quality Index Poster, English & Spanish	DCAT Promotional/Educational material, featuring Ollie Ozone from the Clean Air Crew, English & Spanish	28	Elementary-age children/Teachers
Promotional Item	Air Care Kit	DCAT promotional item, reward for participating in program	531	Driving-age public
Brochure	When You Care for Your Car, You Care for the Air	TCEQ brochure, reward for participating in program	388	Driving-age public
Flag	Air Quality Health Alert Flag	Flag for organizations to purchase and then hang during AQHA days	1	Business/Organizations
Promotional Item	Anti-Idle Green Mister Fan	Item to encourage parents not to idle while waiting in their vehicles	12	Parents during pick-up at schools
Flyer	Fall Tips Sheet	"It All Adds Up To Clean Air" information item providing quick air quality tips for the general fall season	174	General Public
Childrens Item	Activity Sheet--Crossword Puzzle	Page printed from the DCAT Clean Air Crew activity book	78	Elementary-age children
Childrens Item	EPA Kids Stickers	Environmental Awareness	30	Elementary-age children
Brochure/Packet	VPSI Packet	VPSI describing vanpool services	3	General Public, age 25+
Flyer	Air Quality Education Resources	List of websites (links) providing air quality information, lessons, general resources	30	General public, educators
Flyer	Employer Program	Details Commute Solutions role in employer carpool programs	65	Employers, Employees
Poster	Air Quality Health Alert sign	Laminated AQHA logo sign, to alert passersby of AQHA	130	Nurses, Educators
Childrens Item	DCAT Stickers	Encourages the maintenance of vehicles and protecting one's own health	322	Children, families, teachers, parents, grandparents
Childrens Item	DCAT Stickers	Encourages RideSharing	194	Children, families, teachers, parents, grandparents
Flyer	Carpool Tips	Suggested RideSharing Tips	1	Carpoolers (those who have matched in program)
Poster	DCAT Highway Poster	Quick environmental driving tips (ENGLISH/SPANISH)	50	General Driving-age public

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APPENDIX C – TERMS

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Project Type	Agency	Project Name	From	To	Let Date	Completion Date	VOC (lbs/day)	NOx (lbs/day)
Sidewalk	TxDOT	Acme Road	Old Highway 90		1999	2001	0.069	0.058
Sidewalk	TxDOT	Gevers St	IH 10	Southcross	2000	**2001**	0.242	0.204
Sidewalk	TxDOT	Henderson Pass	Thousand Oaks	Gold Canyon	2000	**2001**	0.202	0.170
Sidewalk	TxDOT	IH 410	Bertetti	Marbach	2000	2000	0.050	0.042
Bike/Ped	TxDOT	Mission Trails (Phase 3)	E. Southcross	Mitchell St.	2000	2001	0.712	0.600
Bike/Ped	TxDOT	Mitchell St.	Probandt to	Roosevelt	2000	2003	0.104	0.088
Bike/Ped	TxDOT	Nogalitos (LP 353)	Zarzamora / New Laredo Hwy	Surrey	2000	2003	0.235	0.198
Bike/Ped	TxDOT	Probandt St.	US 90	Mitchell	2000	2003	0.014	0.012
Bike/Ped	TxDOT	Prue Rd	Laureate	Fredericksburg	2000	2002	0.065	0.054
Bike/Ped	TxDOT	Rittiman	Austin Hwy (LP 368)	Harry Wurzbach	2000	2002	0.124	0.105
Bike/Ped	TxDOT	Timber Path Bikeway	Les Harrison	Grissom Rd.	2000	**2001**	0.166	0.140
Bike/Ped	TxDOT	Bitters Rd	Broadway	Nacogdoches Rd.	2001	2003	0.282	0.237
Bike/Ped	TxDOT	Callaghan	Hemphill	Culebra	2001	2003	0.266	0.225
Bike/Ped	TxDOT	Coliseum Rd.	East Houston St.	Gembler Rd.	2001	**2004**	0.123	0.104
Bike/Ped	TxDOT	East Houston St.	Walters	Onslow	2001	2003	0.054	0.045
Bike/Ped	TxDOT	East Houston St.	Onslow St.	Salado Creek	2001	**2002**	0.084	0.071
Bike/Ped	TxDOT	Pearsall Rd (FM 2536)	Loop 13 (Military Drive)	IH 410	2001	2003	2.630	2.216
Bike/Ped	TxDOT	Pecan Valley Dr	J St. to	IH 10	2001	2003	0.049	0.041
Bike/Ped	TxDOT	Pleasanton	Moursund	Gillette	2001	2003	0.027	0.023
Bike/Ped	TxDOT	Southcross	WW White (LP 13)	Loop 410	2001	2003	0.209	0.176
Bike/Ped	TxDOT	Uhr Lane	Higgins	Thousand Oaks	2001	2004	0.210	0.177
Bike/Ped	TxDOT	New World	Crestway	Montgomery	2004	2004	0.050	0.042
Sidewalk	TxDOT	New World	Montgomery Dr	Walzem Rd (FM 1976)	2004	2004	0.050	0.042
Sidewalk	Federal	Alamo	Cedar	San Antonio River	2003	**2003**	0.031	0.026
Sidewalk	TxDOT	W.W. White Rd. (Loop 13)	Seale Road	IH-10	2004	2005	0.336	0.283
Sidewalk	TxDOT	Grissom/Culebra (FM 471)	SH 16	Loop 1604	2003	**2004**	2.040	1.719
Sidewalk	TxDOT	Southcross Blvd.	S. New Braunfels to S. Presa St.	S. Presa St.	2005	**2004**	0.107	0.090
Sidewalk	TxDOT	Hunt Lane	Marbach to US 90	US 90	2004	2004	0.273	0.230
Sidewalk	Federal	Isom	Ramsey	US 281	2004	2004	0.084	0.071
Sidewalk	COSA	Roland (US 87)	IH 10	Rigsby Avenue	2004	**2005**	0.100	0.084
Sidewalk	COSA	SH 218 (Pat Booker Road)	Loop 1604	FM 78	2004	**2005**	0.998	0.841
Sidewalk	COSA	Sunset	Jones Maltsberger	Teak	2004	**2005**	0.135	0.114
Sidewalk	Bexar Co.	Kitty Hawk Rd	Miller Rd.	Converse City Limits	2004	**2005**	0.070	0.059
Bikeway	COSA	UTSA to OLLU Corridor	Houston St.	24th St.	2004	**2005**	0.507	0.427
Bikeway	COSA	Cincinnati	St. Mary's University	Navidad	2004	TBDL	0.189	0.159
Bikeway	COSA	Cincinnati / Ashby	Navidad	North St. Mary's St.	2004	TBDL	0.189	0.159
Bikeway	COSA	Alamo / Broadway Corridor	Josephine	The Alamo	2004	TBDL	0.297	0.251
Bikeway	Bexar Co.	Crestway	Miller Road	New World	2004	**2005**	0.070	0.059
Sidewalk	Bexar Co.	New World	Crestway	Miller Road	2004	2005	0.026	0.022
Bike racks	COSA		Various Locations		2004	**2005**	0.000	0.000
Sidewalk	COSA	Clark	Southcross	Hot Wells	2004	TBDL	0.073	0.062
Sidewalk	Bexar Co.	Crestway Drive	New World	Windcrest City Limits	2004	**2005**	0.060	0.051

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Project Type	Agency	Project Name	From	To	Let Date	Completion Date	VOC (lbs/day)	NOx (lbs/day)
Sidewalk	COSA	Hot Wells	IH 37	New Braunfels	2004	TBDL	0.016	0.013
Sidewalk	COSA	E. Houston	Pine	Walters	2004	TBDL	0.060	0.050
Bike Lane	COSA	Ingram	Callaghan	Benrus	2004	TBDL	0.215	0.181
Sidewalk	COSA	Blanco Road (FM 2696)	Lockhill Selma	West Avenue	2004	TBDL	0.421	0.355
Bike Lane	Univ City	SH 218	Loop 1604	FM 78	2004	TBDL	0.928	0.782
Sidewalk	COSA	Flores, S	0.6 Mi N of Malone	Octavia	2005	TBDL	0.191	0.161
Sidewalk	COSA	Mayfield	Commercial	Zarzamora	2005	TBDL	0.024	0.020
Sidewalk	COSA	McCullough	Basse	RR Tracks	2005	TBDL	0.087	0.073
Sidewalk	COSA	Nakoma	@ US 281	4C	2005	TBDL	0.256	0.216
Sidewalk	COSA	Woodlawn	Bandera	Maiden 4C	2005	TBDL	0.104	0.087
Sidewalk	COSA	Sunset	Teak	Broadway 4C	2005	TBDL	0.103	0.086
Sidewalk/bike	COSA	Callaghan	Bandera	Horseshoe Bend	2007	TBDL	0.414	0.349
Bike Lane	COSA	SAC to CBD	Howard	4th	2001	2001	0.082	0.069
Bike Lane	COSA	Montana/Nevada	Cherry	Meerscheidt	2001	2001	0.040	0.034
Bike Lane	COSA	N.Zarzamora	Nogalitos	Theo	2001	2001	0.158	0.133
Bike Lane	COSA	N. St. Mary's	Lexinton	Huisache	2001	2001	0.199	0.168
Bike Lane	COSA	Callaghan	Old Highway 90	New HWY 90	2001	2001	0.128	0.108
Bike Lane	COSA	S. Zarzamora	SW Loop 410	IH 35	2001	2001	0.338	0.285
Bike Lane	COSA	Caliza	Encino Rio	Evans Rd.	2001	2001	0.061	0.052
Bike Lane	COSA	UTSA to SAC	Buena Vista	San Pedro	1999	1999	0.299	0.252
Bike Lane	COSA	Les Harrison	Culebra	Dover Ridge	2000	2000	0.313	0.264
Bike Lane	COSA	Josephine Grayson	Broadway	New Braunfels	2000	2000	0.085	0.072
Bike Lane	COSA	Walters	Fair Ave.	Rigsby Avenue	2000	2000	0.235	0.198
Bike Lane	COSA	Villaret	Zarzamora	Hwy 16	2000	2000	0.074	0.062
Sidewalk	COSA	Rice Reconstruction	W. W. White	Semlinger	2004	**2005**	0.033	0.028
Sidewalk	Comal Co.	New Braunfels	LP 337	0.8 KM N of Walnut Ave.	2004	TBDL	0.197	0.166
Bike path	COSA	Malone / Theo	Quintana	Concepcion Park	2004	TBDL	0.655	0.552
Side walk	COSA	Gen Mcmullen	Roselawn	Commerce	1999	1999	0.664	0.560
Bike Path	COSA	Avenue B (Bicycle Lanes)	Mulberry	Brackenridge	2000	2000	0.095	0.080
Bike Path	COSA	Montana Street Bike Lane	Alamodome	Walters	2001	2001	0.018	0.016
Bike Path	COSA	Villaret Bicycle Transportation	W. Villaret	E. Villaret	2001	2001	0.107	0.090
Bike Path	COSA	Zarzamora Bike Lane	IH 35	Loop 410	2001	2001	0.000	0.000
Bike Path	COSA	Eagleland/Riverwalk Link	Eagleland Drive	Guenther Street Bridge	2006	TBDL	0.021	0.018
Sidewalk	COSA	Mckay	(400 Block)	(500 Block)	2001	2001	0.008	0.006
Sidewalk	COSA	Harvard Terrace	Yale	University	2001	2001	0.001	0.001
Side walk	COSA	Dell Place Drainage Project	North Freeman	(dead end)	2001	2001	0.000	0.000
Sidewalk	COSA	Hardeman St Sidewalks	Mesquite	Hackberry	2001	2001	0.002	0.002
Sidewalk	COSA	Gevers-IH 10	Gevers	Southcross	2001	2002	0.131	0.110
Sidewalk	COSA	New Braunfels	Rigsby	Southcross/IH 37	2001	2001	0.278	0.234
Sidewalk	COSA	Henderson Pass Sidewalks	Thousand Oaks	Gold Canyon.	2001	2001	0.818	0.689
Sidewalk	COSA	Danbury Sidewalks:	Nacogdoches	Broadway	2002	2002	0.021	0.018
Sidewalk	COSA	Ray Bon Drive Sidewalks	Eisenhauer	Village Haven	2002	2002	0.031	0.026

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Project Type	Agency	Project Name	From	To	Let Date	Completion Date	VOC (lbs/day)	NOx (lbs/day)
Sidewalk	COSA	New Braunfels	IH 35	Grayson	2002	2002	0.068	0.057
Sidewalk	COSA	Pedestrian Bridge	War Horse	Trading Post	2002	2002	0.001	0.000
Sidewalk	COSA	Hoover Street	Nogalitos	Charlotte	2003	2003	0.003	0.002
Sidewalk	COSA	2003 NAMP Sidewalk	Mccullough	Mulberry	2004	2004	0.595	0.502
Sidewalk	COSA	Navajo Area Streets	(Navajo/Hutchins/Barlite)	(Navajo/Hutchins/Barlite)	2004	2004	0.159	0.134
Sidewalk	COSA	McCarty Sidewalks & Curbs	Lorene	Blanco	2004	2004	0.031	0.026
Sidewalk	COSA	Harris Storm Drainage	Alvarez	(Glass/Cass/Halstead)	2004	**2005**	0.038	0.032
Sidewalk	COSA	Kono	Gembler	Belgium	2005	TBDL	0.026	0.022
Sidewalk	COSA	Octavia	#63 Phase II	Part B	2005	**2005**	0.103	0.087
Sidewalk	COSA	La Manda	West Avenue	Buckeye	2006	TBDL	0.006	0.005
Sidewalk	COSA	Rosabell Street	Culebra	Inez	2006	TBDL	0.006	0.005
Sidewalk	COSA	Cincinnati	Fredericksburg	IH 10	2007	**2005**	0.019	0.016
Sidewalk	COSA	Cornell	Brazos	Colorado	2007	TBDL	0.009	0.007
Signal	TxDOT	US 281	At Borgfeld, Bulverde, Wilderness Oa	and Stone Oak Roads	2003	TBDL	3.797	2.327
Signal	Bexar Co.	Foster Road	Candlemeadow	4C	2005	TBDL	0.253	0.155
Signal	Bexar Co.	Foster Road	Summer Fest	4C	2005	TBDL	0.059	0.036
Signal	Comal Co.	SH46	HEB driveway		2001	**2002**	0.052	0.041
Signal	Comal Co.	FM 725	County Line Rd		2001	**2002**	1.003	0.788
Signal	Comal Co.	FM 3009	FM 2252 in Garden Ridge		2001	**2002**	0.575	0.452
Signal	New Braun.		Union	Common	2004	2004	0.075	0.059
Signal	Guadalupe Co.	FM 3009	Savana/Verde Dr.		2001	TBDL	2.097	1.488
Signal	Guadalupe Co.	SH46	US 90		2004	TBDL	1.165	0.827
Signal	Guadalupe Co.	SH46	US 90		2004	TBDL	0.272	0.193
Signal	Guadalupe Co.	FM 3009	IH 35E	0.21 Mi SE of IH 35	2004	TBDL	1.010	0.717
Intersection	TxDOT	Hunt Lane	Marbach	US 90	2004	**2004**	2.790	1.674
Intersection	TxDOT	Bitters	East of West Ave (W.of US 281)		2005	**2005**	5.529	3.317
Intersection	TxDOT	Wurzbach	Ironside	IH 10	2004	TBDL	6.251	3.751
Intersection	TxDOT	IH 10	Callaghan Road		2004	TBDL	4.664	2.798
Intersection	TxDOT	IH 10	IH 10 West at Huebner Road		2004	TBDL	4.664	2.798
Intersection	TxDOT	Loop 1604	SH 16	FM 1937	2004	TBDL	0.173	0.104
Intersection	TxDOT	Loop 1604	IH 35	SH 16	2004	TBDL	3.731	2.239
Intersection	TxDOT	IH 10	DeZavala Road		2004	TBDL	4.961	2.977
Intersections	COSA	James Park Development	Rittiman and Holbrook.		2005	TBDL	2.292	1.375
Intersections	COSA	West Ave	Larkspur	Silver Sands, Rhapsody and N	2000	2000	15.325	9.195
Intersections	COSA	Tezel	Tezel	Timber Path	2000	2000	3.168	1.901
Intersections	COSA	Broadway	Broadway	Wetmore Rd	2001	2001	2.044	1.227
Intersections	COSA	Southwest Craft Cntr	Navaro	Augusta	2004	2004	0.842	0.505
Park & Ride	VIA	Crossroads	IH-10W & Loop 410		1988	1988	2.039	1.718
Park & Ride	VIA	Ellis Alley	Chestnut & Center Street		1998	1998	4.166	3.511
Park & Ride	VIA	University	IH 10 W & Loop 1604		1993	1993	15.150	12.767
Park & Ride	TxDOT	Elmendorf	US 181 S.& Loop 1604		1981	1981	2.573	2.168
Park & Ride	privately owned	St. Hedwig	FM 1346 & Pittman Rd.		1988	1988	0.529	0.446

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Park & Ride	VIA	Randolph Blvd	IH 35 N & Crestway		1980	1980	3.038	2.560
Transit CT.	VIA	Ingram	Ingram Road & Northwestern		1988	1988	0.547	0.461
Transit CT.	VIA	Kel-Lac	US 90 W. & Military Dr.		2004	2004	1.558	1.313
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
Grade Sep	TxDOT	IH 410	SH 16	UPRR	2004	TBDL	3.722	2.233
Grade Sep	TxDOT	US 281	Borgfeld Dr		2006	TBDL	17.896	10.738
Traffic Flow	TxDOT	Acme Road	Old Highway 90		1999	**2001**	0.622	0.207
Traffic Flow	TxDOT	Evers Rd.	N. of Glen Ridge	Daughtry Dr.	1999	2000	1.335	0.445
Traffic Flow	TxDOT	FM 2522 (Perrin Beitel)	IH 410		1999	TBDL	0.526	0.175
Traffic Flow	TxDOT	FM 78	Bexar Co. Ln.	FM 3009	1999	TBDL	2.653	0.884
Traffic Flow	TxDOT	Houston (FM 1346)	Pop Gunn		1999	2000	2.002	0.667
Traffic Flow	TxDOT	IH 10	0.2 mile South of Callaghan Road	0.2 mile South of N. Crossroad	1999	TBDL	27.854	9.285
Traffic Flow	TxDOT	IH 410	Interchange at US 281 Fr: US 281	Nacogdoches	1999	TBDL	6.472	2.157
Traffic Flow	TxDOT	SH 151	Callaghan Rd		1999	2004	0.335	0.112
Traffic Flow	TxDOT	Tezel	Timber Path		1999	2000	0.609	0.203
Traffic Flow	TxDOT	US 281	0.590 KM N of LP 1604	0.746 KM N of LP 1604	1999	TBDL	6.398	2.133
Traffic Flow	TxDOT	West Avenue	FM 1535 (NW Military Hwy)	IH 410	1999	2002	2.646	0.882
Traffic Flow	TxDOT	Wurzbach Parkway	Lockhill-Selma	FM 1535 (NW Military Hwy)	1999	2002	0.460	0.153
Traffic Flow	TxDOT	24th	Commerce	Culebra	2000	2001	2.353	0.784
Traffic Flow	TxDOT	Ackerman Rd.	IH 10	Dietrich	2000	**2002**	0.190	0.063
Traffic Flow	TxDOT	Hildebrand	IH-10	Breeden	2000	2003	2.767	0.922
Traffic Flow	TxDOT	Hildebrand	Hwy. 281		2000	**2001**	0.454	0.151
Traffic Flow	TxDOT	Huebner Road	Evers Road	Redbird Lane (E of city limit)	2000	**2001**	1.288	0.429
Traffic Flow	TxDOT	Lockhill Selma	George Road	Whisper Path	2000	2003	0.846	0.282
Traffic Flow	TxDOT	O'Connor Rd	Crosswinds	IH 35	2000	TBDL	3.418	1.139
Traffic Flow	TxDOT	Wetmore	At Broadway		2000	**2001**	0.203	0.068
Traffic Flow	TxDOT	Wurzbach Rd	0.6 Mi East of Ingram Rd	Leon Valley WCL	2000	**2001**	1.945	0.648
Traffic Flow	TxDOT	Coliseum Rd.	Belgium Rd.	IH 35	2001	**2002**	0.712	0.237
Traffic Flow	TxDOT	Culebra Rd (FM 471)	Loop 1604		2001	TBDL	4.097	1.366
Traffic Flow	TxDOT	IH 410	Jackson-Keller Road	Honeysuckle Lane	2001	TBDL	42.811	14.270
Traffic Flow	TxDOT	IH 410	Honeysuckle Lane	Blanco Rd	2001	TBDL	25.183	8.394
Traffic Flow	TxDOT	Loop 1604	0.6 KM N of Military Dr	US 90	2001	TBDL	10.960	3.653
Traffic Flow	TxDOT	Loop 1604	1.6 KM N. of FM 471 (Culebra Rd)	0.6 KM N of Military Dr.	2001	TBDL	10.818	3.606
Traffic Flow	TxDOT	Loop 345	Cinnamon Creek	USAA Bvld	2001	TBDL	0.136	0.045
Traffic Flow	TxDOT	Wurzbach Road	Crystall Hill	Crystall Hill	2001	2003	1.361	0.454
Traffic Flow	TxDOT	IH 35	Coliseum & Walters		2002	TBDL	0.053	0.018
Traffic Flow	TxDOT	IH 410	SH 151		2002	TBDL	0.009	0.003
Traffic Flow	TxDOT	Pleasanton	Southcross	Mayfield	2002	2004	0.981	0.327
Traffic Flow	TxDOT	Ralph Fair Rd. (FM 3351)	Fawn Mountain, Pimlico, Dietz-Elkho	Fair Oaks Parkway	2002	2003	4.243	1.414
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
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
Traffic Flow	TxDOT	Ironside	Wurzbach		2004	TBDL	0.326	0.109

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Traffic Flow	Bexar Co.	Mission Rd.	N. of SA River Mission Pkwy		2004	TBDL	0.070	0.023
Traffic Flow	COSA	Thousand Oaks	Broken Oak, Ledge View, Turkey Po	Pebble Forest & Oak View	2004	TBDL	2.118	0.706
Traffic Flow	TxDOT	Zarzamora	IH 410	Applewhite Road	2004	**2005**	1.999	0.666
Traffic Flow	TxDOT	Applewhite Road	Zarzamora	Watson Road	2004	**2005**	1.999	0.666
Traffic Flow	TxDOT	Loop 1605	FM 1937	IH 37	2004	**2005**	1.243	0.414
Traffic Flow	TxDOT	Military Dr., S.E. (LP 13)	Padre	Mission Rd 4C	2005	TBDL	0.486	0.162
Traffic Flow	Comal Co.	LP 337	0.16 KM N of BI 35-H	0.48 KM N of UPRR	2001	TBDL	3.446	1.378
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	TBDL	5.878	2.177
Traffic Flow	Guadalupe Co.	FM 78	Bexar Co. Ln.	FM 3009	2002	TBDL	4.299	1.592
Traffic Flow	Wilson Co.	FM 1346	US 87 W of Lavernia	FM 775	2001	TBDL	1.400	0.560
Traffic Flow	Guadalupe Co.	SH 46	0.2 Mi S of FM 758	Comal Co line	2004	TBDL	4.219	1.562
Traffic Flow	Guadalupe Co.	SH 123	Fr US 90 Kingsbury St	IH 10	2004	TBDL	1.193	0.442
Traffic Flow	COSA	36th ST.	US 90	Growdon	2007	TBDL	2.792	0.931
Traffic Flow	COSA	Blanco Road	Blanco Road - Hildebrand	Summit Phase 1	2006	TBDL	3.602	1.201
Traffic Flow	COSA	Wurzbach Parkway Phase IV	Military Highway	Blanco Road	2002	2002	17.353	5.784
Traffic Flow	COSA	Wurzbach Rd:	Ingram Rd	Leon Valley	2002	2002	4.649	1.550
Traffic Flow	COSA	Hamilton	Guadalupe	Laredo	1999	1999	0.582	0.194
Traffic Flow	COSA	Wurzbach Rd @ Vance Jackson			1999	1999	2.227	0.742
Traffic Flow	COSA	Mitchell Street	Probandt	Presa	1999	1999	0.336	0.112
Traffic Flow	COSA	Valley Hi Drive	IH 410	Ray Ellison	1999	1999	0.412	0.137
Traffic Flow	COSA	Chipinque Drainage	General Mcmullen	Escuela	1999	1999	1.297	0.432
Traffic Flow	COSA	Zarzamora	Culebra	Commerce	1999	1999	2.705	0.902
Traffic Flow	COSA	Calaveras	Saunders	Guadalupe	1999	1999	0.568	0.189
Traffic Flow	COSA	Courtland Street	Mccullough	St. Mary's	1999	1999	0.424	0.141
Traffic Flow	COSA	Guadalupe Gardens Phase II			1999	1999	1.241	0.414
Traffic Flow	COSA	Chico/Knox/Margil			1999	1999	0.024	0.008
Traffic Flow	COSA	Folyn/Jersey/Custer/Orange			1999	1999	0.280	0.093
Traffic Flow	COSA	Travis	Zarzamora	Hamilton	1999	1999	0.566	0.189
Traffic Flow	COSA	Villa Coronado Streets, Phase III A			1999	1999	0.097	0.032
Traffic Flow	COSA	Mayfield	Somerset	Laredo Hwy	1999	1999	0.122	0.041
Traffic Flow	COSA	Hazel Drainage	Zarzamora	Brazos	1999	1999	0.751	0.250
Traffic Flow	COSA	Lillita	Gen. Mcmullen	Las Palmas	1999	1999	0.108	0.036
Traffic Flow	COSA	Advance & Brice			1999	1999	0.045	0.015
Traffic Flow	COSA	calle morelia drainage			1999	1999	0.095	0.032
Traffic Flow	COSA	Emory / Kentucky			1999	1999	0.120	0.040
Traffic Flow	COSA	26th Street	Travis	Culebra	1999	1999	0.147	0.049
Traffic Flow	COSA	Wurzbach Parkway Phase II			1999	1999	11.623	3.874
Traffic Flow	COSA	Keitha Area Streets Phase II			1999	1999	0.645	0.215
Traffic Flow	COSA	Muskogee	Acme	40th	1999	1999	0.080	0.027
Traffic Flow	COSA	Boehmer	Burbank Loop	S. Flores	1999	1999	0.014	0.005
Traffic Flow	COSA	Dewitt	IH 10	Fairmont	1999	1999	0.028	0.009
Traffic Flow	COSA	Claremont/Eleanor/Natalen,Ph I&Mahncke Ph IV			1999	1999	0.234	0.078

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Traffic Flow	COSA	Lake Blvd/Woodlawn/Streets	Around Woodlawn Lake		1999	1999	2.077	0.692
Traffic Flow	COSA	S. Flores Drn #70-70a, Ph. II--Part 2			2000	2000	0.000	0.000
Traffic Flow	COSA	34th Street	Hwy 90	Castroville	2000	2000	0.064	0.021
Traffic Flow	COSA	27th	Culebra	Rivas	2000	2000	0.052	0.017
Traffic Flow	COSA	21st Street	Salinas	Poplar	2000	2000	0.268	0.089
Traffic Flow	COSA	Eastlawn Neighborhood Streets Phase II			2000	2000	0.435	0.145
Traffic Flow	COSA	Southlawn	Merida	Castroville	2000	2000	0.089	0.030
Traffic Flow	COSA	Madrid	Merida	Castroville Rd	2000	2000	0.025	0.008
Traffic Flow	COSA	Grandview Neighborhood Streets Ph. IIIA		(K Street)	2000	2000	0.047	0.016
Traffic Flow	COSA	Wurzbach Parkway Phase III			2000	2000	0.391	0.130
Traffic Flow	COSA	Glenmore		Kentucky	2000	2000	0.047	0.016
Traffic Flow	COSA	Villa Coronado Streets Phase IIIB			2000	2000	0.043	0.014
Traffic Flow	COSA	Arbor	Trinity	San Marcos	2000	2000	0.083	0.028
Traffic Flow	COSA	Fairdale	Rittiman	Bloomdale	2000	2000	0.323	0.108
Traffic Flow	COSA	Stahl Rd. #1038 Phase I	Fairway Oaks	Bulverde	2000	2000	0.273	0.091
Traffic Flow	COSA	Babcock & Hillcrest Intersection			2000	2000	1.364	0.455
Traffic Flow	COSA	Apple Valley	Haven Valley	Ray Ellison	2000	2000	0.141	0.047
Traffic Flow	COSA	Las Palmas	Charben	26th	2000	2000	0.129	0.043
Traffic Flow	COSA	Contour Dr / El Monte St			2000	2000	1.697	0.566
Traffic Flow	COSA	Evers Rd	Glenridge	Daughtry	2000	2000	1.424	0.475
Traffic Flow	COSA	Baylor St	San Pedro Ck.	Flores St.	2000	2000	0.010	0.003
Traffic Flow	COSA	Culebra Area Streets Phase II			2000	2000	0.901	0.300
Traffic Flow	COSA	Hildebrand @ 281			2000	2000	1.040	0.347
Traffic Flow	COSA	Lone Oak/Latimer:	F St	Brice	2001	2001	0.020	0.007
Traffic Flow	COSA	Rip Rap 69-Phiic Part 3			2001	2001	0.105	0.035
Traffic Flow	COSA	Ackerman	IH 10	Dietrich	2001	2001	0.216	0.072
Traffic Flow	COSA	Carson Street	Walters	Frank	2001	2001	0.077	0.026
Traffic Flow	COSA	Starcrest	Stuntman	Jones Maltsberger	2001	2001	0.081	0.027
Traffic Flow	COSA	Bobolink 96A	Storeywood	Deneice	2001	2001	1.828	0.609
Traffic Flow	COSA	Mahncke Area Streets, Phase II			2001	2001	0.752	0.251
Traffic Flow	COSA	Creswell	Houston	Deadend	2001	2001	0.024	0.008
Traffic Flow	COSA	Thorain	Buckeye	S.P. Railroad	2001	2001	0.039	0.013
Traffic Flow	COSA	Fred. Rd	Sandoval	Woodlawn	2001	2001	1.472	0.491
Traffic Flow	COSA	Hobart Street	Acme Rd	40th St	2001	2001	0.023	0.008
Traffic Flow	COSA	Lawton / Sw 41st Street			2001	2001	0.019	0.006
Traffic Flow	COSA	Orr	Suzette	Winkle	2001	2001	0.019	0.006
Traffic Flow	COSA	Fleming	Mayfield	Peabody	2001	2001	0.016	0.005
Traffic Flow	COSA	Evers Rd @ Wurzbach Rd Intersection			2001	2001	0.102	0.034
Traffic Flow	COSA	Capitol	Basse	San Angelo	2001	2001	0.010	0.003
Traffic Flow	COSA	Grandview Neighborhood Sts Ph IIIB	Pecan Valley	Amanda	2001	2001	0.020	0.007
Traffic Flow	COSA	Pace	Elmendorf	Brazos	2001	2001	0.139	0.046
Traffic Flow	COSA	Texas / Waverly Streets			2001	2001	0.527	0.176

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Traffic Flow	COSA	Basse Road & San Pedro Intersection			2001	2001	1.625	0.542
Traffic Flow	COSA	Monterrey	36th	San Joaquin	2001	2001	0.467	0.156
Traffic Flow	COSA	Blueridge	Gen Mcmullen	27th	2001	2001	0.143	0.048
Traffic Flow	COSA	Rip Rap 69 - Ph IIC Part 3A			2001	2001	0.166	0.055
Traffic Flow	COSA	Callaghan:	Old Hwy 90	Commerce	2001	2001	1.021	0.340
Traffic Flow	COSA	Duval/Seguin:	Pierce	Walters	2001	2001	0.223	0.074
Traffic Flow	COSA	24th St:	Commerce	Culebra	2001	2001	0.236	0.079
Traffic Flow	COSA	Claremont/Eleanor/Natalen, Ph II			2001	2001	0.175	0.058
Traffic Flow	COSA	Strech	Chavaneaux	Malley Blvd	2001	2001	0.128	0.043
Traffic Flow	COSA	Indianola	Garfield	Camargo	2001	2001	0.008	0.003
Traffic Flow	COSA	Elsmere	Michigan	Capitol	2002	2002	0.021	0.007
Traffic Flow	COSA	Arbor	Trinity	San Marcos Ph II	2002	2002	0.029	0.010
Traffic Flow	COSA	Escalon St. #1008			2002	2002	0.051	0.017
Traffic Flow	COSA	S. Flores Drn #70-70A, Ph. II--Part 3			2002	2002	11.316	3.772
Traffic Flow	COSA	Octavia #63 Phase 1			2002	2002	0.678	0.226
Traffic Flow	COSA	Leonhardt Road @ Low Water Crossing			2002	2002	0.299	0.100
Traffic Flow	COSA	St. Marys Street -	Pereida	Roosevelt	2002	2002	0.841	0.280
Traffic Flow	COSA	Lockhill-Selma:	George	Whisper Path	2003	2003	0.731	0.244
Traffic Flow	COSA	39th Street #58m, Phase II A			2003	2003	0.871	0.290
Traffic Flow	COSA	Quintana Road Drainage #64 Extension			2003	2003	0.648	0.216
Traffic Flow	COSA	S. Flores:	Durango	Franciscan	2003	2003	1.269	0.423
Traffic Flow	COSA	Monticello:	S. Gevers	Hillje	2003	2003	0.095	0.032
Traffic Flow	COSA	Higgins Road:	Nacogdoches	Stahl	2003	2003	1.551	0.517
Traffic Flow	COSA	Hi Lions 80 Mod PIII & V			2004	2004	11.176	3.725
Traffic Flow	COSA	Bee Street:	Walters	Frank	2004	2004	0.030	0.010
Traffic Flow	COSA	Aransas:	Meerscheidt	Walters	2004	2004	0.077	0.026
Traffic Flow	COSA	Flores/Breeden/Beacon, Phase II			2004	2004	0.417	0.139
Traffic Flow	COSA	Mockert Street Area	Mockert, Forest,	(W. Lambert, Kline, Cass)	2004	2004	0.435	0.145
Traffic Flow	COSA	Pleasanton Road	Gillette	Loop 410	2004	2005	0.000	0.000
Traffic Flow	COSA	Northington	S.W. 36th	S.W. 35th	2004	2004	0.075	0.025
Traffic Flow	COSA	Fay Street / St Joseph:	Creighton	New Laredo Hwy, Part 1	2005	TBDL	0.264	0.088
Traffic Flow	COSA	Fay Street / St. Joseph:	Creighton	New Laredo Hwy, Part 2	2005	TBDL	0.000	0.000
Traffic Flow	COSA	Belgium:	Picarde	Sbc Parkway	2005	**2005**	0.137	0.046
Traffic Flow	COSA	El Monte	Blanco	San Pedro, Phase II	2005	TBDL	0.045	0.015
Traffic Flow	COSA	Lanark Drainage #92A, Phase 1			2005	TBDL	0.383	0.128
Traffic Flow	COSA	Larkspur	West Ave	Baltic	2005	TBDL	0.260	0.087
Traffic Flow	COSA	Sunset Ph I	Jones Maltsberger	Teak	2005	TBDL	1.014	0.338
Traffic Flow	COSA	Alamo	Durango	Cedar	2005	TBDL	0.328	0.109
Traffic Flow	COSA	Wurzbach Rd @ IH 10 Intersection			2005	TBDL	2.128	0.709
Traffic Flow	COSA	St. Marys Street	Alamo	Pereida	2005	TBDL	0.202	0.067
Traffic Flow	COSA	Ansley Blvd Drainage #1091			2006	TBDL	0.139	0.046
Traffic Flow	COSA	Duke Area Streets, Phase I			2006	TBDL	0.275	0.092

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Project Type	Agency	Project Name	From	To	Let Date	Completion Date	VOC (lbs/day)	NOx (lbs/day)
Traffic Flow	COSA	Culebra Area Streets Phase IV			2006	TBDL	0.288	0.096
Traffic Flow	COSA	Howard Drainage	Wildwood	El Monte	2006	TBDL	0.018	0.006
Traffic Flow	COSA	Ave Maria Drainage			2006	TBDL	0.056	0.019
Traffic Flow	COSA	Goliad Rd	Pecan Valley	Military Drive	2006	TBDL	0.329	0.110
Traffic Flow	COSA	W. Craig	Elmendorf	Josephine Tobin	2006	TBDL	0.027	0.009
Traffic Flow	COSA	Woodlawn Ave:	San Antonio	Lake	2006	TBDL	0.199	0.066
Traffic Flow	COSA	Ozark	Erskine	Williamsburg	2006	TBDL	0.064	0.021
Traffic Flow	COSA	Florida	IH 37	St Marys	2006	TBDL	0.380	0.127
Traffic Flow	COSA	Sunset Ph II	Teak	Broadway	2006	TBDL	0.538	0.179
Traffic Flow	COSA	Woodlawn	Bandera	Maiden	2006	TBDL	0.114	0.038
Traffic Flow	COSA	Semlinger Road	Lord	Rigsby	2006	**2005**	0.434	0.145
Traffic Flow	COSA	Stahl Road	O'connor	Judson	2007	TBDL	1.147	0.382
Traffic Flow	COSA	Marbach Phase I	Military	Pinn	2007	TBDL	0.654	0.218
Traffic Flow	COSA	Redland Road Improvements	Redland Woods	Jones Maltsberger	2007	TBDL	2.516	0.839
Traffic Flow	Bexar Co.	Shaenfield Road	Loop 1604	FM 1560	2006	TBDL	0.180	0.060
Traffic Flow	Bexar Co.	Braun Road	Loop 1604	FM 1560	2004	TBDL	1.600	0.530
Traffic Flow	Bexar Co.	Borgfeld Road	Hwy 281	Timberline	2004	TBDL	2.750	0.920
Traffic Flow	Bexar Co.	Bulverde Road	Smithson Valley	Hwy 281	2006	TBDL	0.300	0.100
Traffic Flow	Bexar Co.	Foster Road	I-10	Binz-Engleman	2004	TBDL	2.160	0.720
Traffic Flow	Bexar Co.	Kriewald Road	Hwy 90	Pue Road	2006	TBDL	0.140	0.050
Traffic Flow	Bexar Co.	Lakeview Drive	Woodlake Parkway	Foster Road	2006	**2005**	0.460	0.150
Traffic Flow	Bexar Co.	Pue Road	Kriewald Road	Sunset Place	2006	TBDL	0.660	0.220
Traffic Flow	Bexar Co.	Smith Road	Hwy 16		2006	TBDL	0.900	0.300
Traffic Flow	Bexar Co.	Wiseman Road	Loop 1604 west	Talley Road.	2004	TBDL	5.350	1.780
Traffic Flow	Bexar Co.	Woodlake Parkway	Binz-Engleman	FM 78	2006	TBDL	1.580	0.530
Traffic Flow	Bexar Co.	Applewhite Road	Watson Road	Loop 1604.	2004	**2005**	9.473	3.158
TMS	TxDOT	IH 35	FM 1976 (Walzem Road)	New Braunfels Ave.	1999	1999	151.37	50.46
TMS	TxDOT	US 90	0.8 Mi W. of IH 410	Loop 353 Nogalitos	1999	1999	89.898	29.966
TMS	TxDOT	IH 35	Guadalupe County Line NE	1.77 KM N of FM 1976 (Frat In	2000	2000	41.339	13.780
TMS	TxDOT	IH 36	1.77 KM N. of FM 1976 (Fratt int.)	FM 1976 (Walzem)	2000	2000	30.396	10.132
TMS	TxDOT	IH 37	Loop 13	1.3 Mi S of US 181	2000	2000	9.089	3.030
TMS	TxDOT	IH 410	Callaghan Road	Fredericksburg Road	2000	2000	37.141	12.380
TMS	TxDOT	Loop 1604	0.8 KM W of Babcock Road	SH 16(N)	2000	2000	14.741	4.914
ITS	TxDOT	Loop 1604	On N and S frontage roads FM 1535	Bitters Rd	2001	2001	6.079	2.026
ITS	TxDOT	Loop 1604	3.21 KM E. of US 281 N.	1.61 KMN of FM 2252	1999	1999	52.434	17.478
ITS	TxDOT	US 281	0.6 Mi N of Loop 1604	2.5 Mi N of Loop 1604	2004	TBDL	26.445	8.815
TMS	TxDOT	410 Upgrade to 10 lanes	Ingram Road	Callaghan Road	2006	TBDL	103.350	34.449
ITS	COSA	Houston - Walters To Onslow	Onslow	New Braunfels	2003	2003	2.085	0.695

TBDL: To Be Determine Later

Bolded dates indicate updated information compared to last Semi-annual report

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APPENDIX D – EAC DECEMBER PROGRAM EXCEL SPREADSHEET AND TEXT EXPLANATION

A. Control Measure	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, $$)	H. Additional Information
30 San Antonio, TX (Effective date of nonattainment designation deferred)							
Degreasing controls	Degreasing equipment controls outline methods for reduction of emissions from solvent evaporation; reductions achieved through use of efficient equipment, including: batch-loaded cold cleaners, open-top vapor degreasers, conveyorized (in-line) degreasers, air-tight, and airless cleaning systems.	Measures are currently in effect. State rule effecting implementation: TCEQ has revised Chapter 115, Subchapter E, Solvent-Using Processes, Division 1, Degreasing Processes, to extend the control requirements to the four counties in the EAC region. **SIP docket ID: R06-OAR-2005-TX-0010-0005 (pg**	by Dec. 2005	85 %			http://info.sos.state.tx.us/pls/pub/readtac$ext.ViewTAC?tac_view=5&ti=30&pt=1&ch=115&sch=E&div=1&rl=Y
Stage I Vapor Recovery (At the request of local governments, TCEQ lowered the exemption level for facilities subject to Stage I vapor recovery controls from 125,000 gal/mo to 25,000 gal/mo)	Equipment captures stored tank vapors by a vapor return hose and are returns it to the refueling truck. This measure is defined in the TCEQ revised Chapter 115, subchapter C, Volatile Organic Compound Transfer Operations, Division 2, Filling of Gasoline Storage Vessels (Stage I) for Motor Vehcle Fuel Dispensing Facilities. **SIP docket ID: R06-OAR-2005-TX-0010-0005 (pg 5.7)**	Measure is currently in effect.	by Dec. 2005	5.81 TPD	0 TPD		http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=30&pt=1&ch=115&rl=229
Energy efficiency / Renewable energy projects --TCEQ	Projects that incorporate renewable sources of energy or increase energy efficiency by equipment retrofits, etc.	Projects used for SIP credit have been completed and the estimated reduction were approved by the EPA.	by Dec. 2005 for the measures that were given SIP credit	0 TPD	0.06 TPD		https://txspace.tamu.edu/bitstream/1969.1/2055/1/ESL-TR-04-05-01.pdf
Transportation emission reduction measures (TERMs) (traffic signalization & intelligent transportation systems)	Modeled emission reductions. TERM projects include signalization, ITS, public transit, bike/pedestrian travel, traffic flow improvements, & ITS.	Final Rule was published on August 19, 2005. Projects are scheduled for completion between 1999 and 2007.	by Dec. ~~2005~~ 2007	0.92 TPD	0.32 TPD		5th Semi-Annual Reort (Appd. E) http://www.aacog.com/cap/2biannual/062505_5thSemiAnnual-Final_Jun30-05.pdf
Transportation Demand Management (TDM) (rideshare, telecommuting, flex time, compressed workweek & staggered hours)	This is a local non-enforceable voluntary measure aimed at reducing emissions by lowering the number of SOVs and the volume of vehicles during peak hours **SIP docket ID: R06-OAR-2005-TX-0010-0005 (pg 5.5)**	Reductions estimated through 2002 survey conducted by AACOG. Not modeled in attainment demonstration.	by Dec. 2005	0.03 TPD - Estimate Not Modeled	0.026 TPD - Estimate Not Modeled		
Alternative Fuel Vehicles	Un-modeled measures with no SIP credit. AFVs offer reduced emissions through cleaner burning fuels or electricity. The San Antonio EAC did not receive SIP credit for emission reductions in this category. **SIP docket ID: R06-OAR-2005-TX-0010-0005 (pg 5.6)**	Voluntary measure with no SIP credit. Currently implemented on a voluntary basis.	On-going	62 lb/day - Estimate Not Modeled	689 lb/day - Estimate Not Modeled		
Lawnmower Recycling Program (rebate program) replacing gas-powered lawn equipment with electric	Un-modeled measures with no SIP credit; Gasoline-powered lawnmowers contribute a significant amount of NO, VOCs, and PM to the atmosphere. A lawnmower "buy back" program was initiated in 1998 to encourage the replacement of gas-powered mowers with electric. The San Antonio EAC did not receive SIP credit for emission reductions in this category. **SIP docket ID: R06-OAR-2005-TX-0010-0005 (pg 5.6)**	Voluntary measure with no SIP credit. Currently implemented on a voluntary basis.	by Dec. 2005	114.24 lb/ozone season day - Estimate Not Modeled	4.78 lb/ozone season day - Estimate Not Modeled		
Texas Emission Reduction Program (TERP)--provides financial incentives to repower, retrofit or replace on & nonroad diesel engines with cleaner equipment	The goals for TERP as set forth in SB5 are to provide financial incentives to repower, retrofit or replace on and nonroad diesel engines with cleaner equipment; the program promises a 2 tpd NOx reduction from modifications in the EAC region.	Measure is in effect; the 2 tpd reductions will be met with the FY '02-'04, FY2005 1st round, and FY2005 2nd roung projects selected by the TCEQ.	by Dec. 31, 2005	0 TPD	2 TPD	TCEQ committed funding from TERP for 2.5 tpd of NOx reductions;& 2 tpd committed by EAC signatories.	FY 2002-2004 projects are listed by company on the TCEQ website: http://www.tceq.state.tx.us/assets/public/implementation/air/terp/erig/area_listing.xls FY 2005 1st round list by company: http://www.tceq.state.tx.us/assets/public/implementation/air/terp/erig/2005_1st_round_selections_area.xls FY 2005 2nd round list by company: http://www.tceq.state.tx.us/assets/public/implementation/air/terp/erig/FY05R2_recommended_grants_es.xls
Portable Fuel Container Rule	State Rule establishes design criteria for "no-spill" portable fuel containers based in large part on the CARB standards. Effective December 31, 2005, these new rules will limit the type of portable fuel containers and portable. fuel container spouts sold, offered for sale, manufactured, and/or distributed in Texas. **SIP docket ID: R06-OAR-2005-TX-0010-0005 (pg 5.8)**	Rule is currently in affect. All affected persons in all counties within the State of Texas shall be in compliance with the provisions of this division as soon as practicable, but no later than December 31, 2005.	by Dec. 31, 2005	45 %			http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=30&pt=1&ch=115&rl=629

A. Control Measure	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, $$)	H. Additional Information
Truck Stop Anti-idling program, with service for 53 parking spaces. Removes 100% of emissions assoc w/ diesel idling, including NOx and VOCs	The idling restrictions will lower NOx emissions from both gasoline powered and diesel-powered motor vehicles in the affected areas.		by Dec. 31, 2005				IdleAire website http://www.idleaire.com/locations/IA_ATE_active/
Windshield Wiper Fluid	EPA calculated VOC reductions from this national consumer products rule to be 20 percent and allowed states to take this emission reduction credit in their SIPS. Prior to EPA's issuance of its national rule, Texas adopted a consumer products rule that limits automotive windshield washer fluid to 23.5 weight-percent VOC. Due to the more stringent Texas formulation, Texas takes credit for the difference. This measure was not modeled. **SIP docket ID: R06-OAR-2005-TX-0010-0005 (pg 5.10)**	Rule is currently in effect	by Dec. 31, 2005				http://info.sos.state.tx.us/pls/pub/readtac$ext.ViewTAC?tac_view=5&ti=30&pt=1&ch=115&sch=G&div=1&rl=Y
Public education program--main goal is to familiarize the public with actions they can take to improve the air quality	Familiarizes the public with actions they can take to improve the air quality This category includes: Air Quality Health Alert program, media (TV, radio, internet, & newspaper), news events, community events, presentations for schools and businesses, & informational materials distributed through various programs (Clean Cities, ACAP, Adopt-a-Scholl Bus, Commute Solutions, etc.) SIP docket ID: R06-OAR-2005-TX-0010-0005 (pg 5.10)	No attempt has been made to quantify the air quality impacts of these public outreach projects, however this programadds additional assurance that the SAER will achieve the goals of the EAC program.	by Dec. 31, 2005				Web pages for public viewing, materials for distribution, targeted audiences, distribution numbers, evens, media spots, and business participation are listed in appendix B of the 6th Semi-Annual report for San Antonio.

Comments: ~~Within the public education program, the Adopt-a-School Bus program is projected to replace 275 older buses over the next three years, reducing emissions of NOx by 110 tpd.~~
A projected replacement of 275 school buses for the San Antonio area over the course of three school fiscal years could realize a reduction of approximately 110 tons/year of NOx. There could be a combination of replacement and retrofitting of buses to achieve NOx and PM reductions, depending on technology available and the availability of low-sulfur fuel. SIP docket ID: R06-OAR-2005-TX-0010-0016

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Text Explanation of Control Measures Table

In this explanatory document, the control measures found in Appendix D are grouped by rule making.

Note that the chief index of State rulemaking for the San Antonio Early Action Compact SIP is available through the Texas Commission on Environmental Quality's (TCEQ) "Texas SIP Revisions" page, under the " Early Action Compact (EAC) SIPs and Ozone (O3) Flex Plans" header available online as:
http://www.tceq.state.tx.us/implementation/air/sip/sipplans.html#EAC
For background information on the San Antonio region's air quality planning effort, see also the TCEQ's " San Antonio Early Action Compact (EAC) Area" page:
http://www.tceq.state.tx.us/implementation/air/sip/sa.html

On August 22, 2005, the Federal Register final rule, "Approval and Promulgation of Air Quality Implementation Plans; Texas; Attainment Demonstration for the San Antonio Early Action Compact Area," appeared.
Federal Register: August 22, 2005 (Volume 70, Number 161) / Rules and Regulations / Pages 48877-48880
Available online as:
http://www.epa.gov/fedrgstr/EPA-AIR/2005/August/Day-22/a16475.pdf (PDF format)
http://www.epa.gov/fedrgstr/EPA-AIR/2005/August/Day-22/a16475.htm (HTML format)

Creditable Measures

Adopted VOC Measures in the San Antonio regional SIP revisions:
This includes Degreasing controls and Stage I Vapor Recovery. The State rules were approved on November 14, 2004[1] by the Texas Commission on Environmental Quality under Chapter 115 - Control of Air Pollution from Volatile Organic Compounds; TCEQ Rule Project No. 2004-073-115-AI[2]

Since these rules were state approved, they are state enforceable.

EPA took Direct Final Action to approve these SIP revisions on March 29th; there were no challenges to the action, and so these SIP revisions have been approved. The revised SIP (containing these revisions) is effective on May 31, 2005.

- See the March 29, 2005 Federal Register (FR) publication of "Approval and Promulgation of Air Quality Implementation Plans; Texas; Revisions To Control Volatile Organic Compound Emissions," accessible through the FR publication index for Environmental Documents on the EPA website: http://www.epa.gov/fedrgstr/EPA-AIR/2005/March/Day-29/a6196.htm (The actual FR citation is 70 FR 15769, which indicates volume 70, beginning on page 15769.)

Energy Efficiency / Renewable Energy Projects
Reduction credits for the Alamo Community College District (ACCD), University of Texas Health Science Center San Antonio (UTHSCSA), & Audi Murphy Memorial Veterans Hospital (VA) projects were eligible for inclusion in SIP credit reduction estimates.

[1] TCEQ's "SIP Revisions: Austin, San Antonio, and Northeast Texas EACs" page:
http://www.tceq.state.tx.us/implementation/air/sip/nov2004eac.html
[2] http://www.tceq.state.tx.us/assets/public/implementation/air/sip/ruledocs/eacvoc/04073115_ado.pdf

Energy savings and associated NOx reductions were documented for completed retrofit projects in the Alamo Area Council of Government region. The electricity and natural gas savings were collected by the Brooks Energy and Sustainability Laboratory (BESL), and reported to the Texas A&M University's Energy Systems Laboratory (ESL). The ESL then assembled these data for processing by eGRID. The results from BESL's data collection efforts and the eGRID analysis are contained in a final technical report available from ESL. [3]

These reductions have been implemented and the technical analysis provided and credit noted has been accepted by the TCEQ and EPA, and were approved by EPA with the Federal Register publication August 22, 2005 of "Approval and Promulgation of Air Quality Implementation Plans; Texas; Attainment Demonstration for the San Antonio Early Action Compact Area."

Transportation Emission Reduction Measures (TERMs)

"...transit and highway projects included in the MPO's Transportation Improvement Programs (TIP), as well as, the non-federally funded roadway projects sponsored by the local governments in the San Antonio region qualify as TERM projects. This is because they aim at reducing congestion and the number of trips made by vehicles, and ultimately, improving the air quality."[4] The San Antonio EAC region currently accounts for TERM projects in all of these categories:

- Improved public transit:
- Traffic Flow Improvements
    - Traffic Signalization
    - Grade Separation
    - Intersection Improvements
- Bike and Pedestrian Programs
- Intelligent Transportation System (ITS)

The Transportation Emission Reduction Measures (TERMs) projects were placed in the San Antonio regional SIP attainment demonstrations developed through the Early Action Compact on the request of the Texas Commission on Environmental Quality. Of the 332 projects listed, some 232 are completed. Also, of the ~0.55 tpd VOC and ~0.21 tpd NOx totaled by these 332 projects, some 64.44% of the VOC and 64.64% of the NOx has been achieved and documented. These projects are scheduled to be completed by the end of 2007, as acknowledged by the EPA in their SIP approval technical report:

> "Though many of these measures have already been implemented, the time period for implementation of these measures extends to 2007, the SIP revision states that its purpose is to develop and implement a plan to ensure compliance with the 8-hour ozone standard by December 31, 2007, and the SIP revision demonstrates attainment and maintenance of the 8-hour ozone standard through 2012."[5]

Portable Fuel Container Rule

State Rule establishes design criteria for "no-spill" portable fuel containers based in large part on the CARB standards. Effective December 31, 2005, these new rules will limit the

[3] ESL-TR-04/05-01; Jeff Haberl, Ph.D., P.E., Yiwen Zhu, Piljae Im Energy Systems Laboratory, Texas A&M University System, May 2004
[4] SIP docket ID: R06-OAR-2005-TX-0010-0016, p. K-33
[5] SIP docket ID: R06-OAR-2005-TX-0010-0022, p. 4 of 7.

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type of portable fuel containers and portable. fuel container spouts sold, offered for sale, manufactured, and/or distributed in Texas. SIP docket ID: R06-OAR-2005-TX-0010-0005 (pg 5.8)

Since this rule was state approved, it is state enforceable.

Windshield Wiper Fluid
EPA calculated VOC reductions from this national consumer products rule to be 20 percent and allowed states to take this emission reduction credit in their SIPS. Prior to EPA's issuance of its national rule, Texas adopted a consumer products rule that limits automotive windshield washer fluid to 23.5 weight-percent VOC. Due to the more stringent Texas formulation, Texas takes credit for the difference. This measure was not modeled. SIP docket ID: R06-OAR-2005-TX-0010-0005 (pg 5.10)

Since this rule was state approved, it is state enforceable.

Texas Emission Reduction Program (TERP)
The Texas Emissions Reduction Plan (TERP), a comprehensive set of grant programs to improve air quality in Texas, for which funds to reduce NOx by 2.5 tpd have been allocated to the San Antonio EAC area. The 77th Texas Legislature established TERP in 2001, through enactment of SB5. The program was not fully funded, however, until the 78th Legislature enacted HB 1365 in 2003. Project funding is determined and granted at the state level. Calculation of emission reduction is based on the type of equipment modification and number of units and provided by the state.
SIP docket ID: R06-OAR-2005-TX-0010-0005 (pg 5.8)

Reductions gained through TERP projects are not required for attainment demonstration purposes; the San Antonio region did not commit to specific reduction levels. The Air Improvement Resources Committee of the San Antonio region requested financial support from the state of Texas and committed to pursue 2 tons per day NOx reduction if financial support was provided. There are no reductions in the attainment demonstration of the region's EAC SIP.
To date, 32 companies are listed for proposed projects by TCEQ. Current proposed projects account for the following NOx reductions in the San Antonio EAC region:

FY 02- FY 04 = 0.7114 tpd NOx reduction
FY 05 1st Round = 0.7334 tpd NOx reduction
FY 05 2nd Round = 0.9858 tpd NOx reduction

Total Estimated NOx Reductions = 2.4306; based on the TCEQ lists-to-date.[6] While this exceeds the requested 2 tons per day, finalization of all projects and certification of reductions is to be provided by TCEQ.

Non-Creditable Measures

Transportation Demand Management (TDM)
There are 87 companies and agencies participating in TDMs in the San Antonio EAC region, according to survey results. TDMs are non-enforceable voluntary measures to lower the number of Single Occupancy Vehicles (SOV) and the volume of vehicles during peak hours. SIP docket ID: R06-OAR-2005-TX-0010-0005 (pg 5.5)

[6] Totals from spreadsheets available through http://www.tceq.state.tx.us/implementation/air/terp/

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Alternative Fuel Vehicles
The types of businesses and organizations that participate: county governments, city governments, state governments, federal government, alternative fuel suppliers, alternative station developers, energy producers, water management entities, major vehicle manufacturers, engine manufacturers, community college, grocery store chain, private consultants, refineries, etc.

Lawnmower Recycling Program
Emission reduction estimates were based on survey responses of 361 recovered gas-powered lawn equipment.

Public education program
No attempt has been made to quantify the air quality impacts of these public outreach projects, however this program adds additional assurance that the SAER will achieve the goals of the EAC program. Voluntary; not creditable. Not in SIP attainment demonstration.

Truck Stop Anti-idling program
The IdleAire Technologies Corporation is one of the companies that provides truck stop electrification (TSE) in the EAC region. All TSE services, including temperature, fan speed and all other service selections, are delivered to and independently controlled by each individual driver in the truck cab via the Service Delivery Module.

The Trans America Truck Stop, located at the intersection of Foster Road and IH-10 East, currently offers this technology for 53 spaces. The average usage rate is 60% of the spaces/night. Annual emissions were calculated to estimate annual emissions reductions associated with the use of IdleAir technology at this location. The company is expanding due to an increase in demand. They will be offering services at another location in the EAC region (New Braunfels, TX) by Jan. 2006.

The Truck Stop Anti-idle program is part of an ongoing voluntary effort through the Alamo Area Clean Cities Coalition's efforts to reduce petroleum usage in the Alamo Area Council of Government's 12-county region.

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