### PROJECT SUMMARY

**Applicant: Contact Person:** 

El Dorado County Transit Authority Matt Mauk, Transit Services Assistant

Address: Telephone:

6565 Commerce Way, Diamond Springs, CA 95619 (530) 642-5383 ext. 201 **FAX:** (530) 622-2877

Email:

mmauk@eldoradotransit.com

### **Project Description:**

El Dorado Transit in collaboration with the Apple Hill® Growers Association proposes to provide a weekend, parking shuttle along the Apple Hill® scenic drive in October 2012 and 2013. Shuttle buses will operate on a continuous loop from 10:00 a.m. to 5:00 p.m. daily, linking designated parking areas in Placerville and Camino to Apple Hill® ranches and wineries. The shuttles will board passengers at safe, marked locations every fifteen (15) to twenty (20) minutes, depending upon traffic. The Apple Hill® Shuttle will significantly lower vehicle emissions related to traffic congestion and cold starts. The shuttle will be free to the public and will provide seasonal visitors a safe, comfortable and efficient transportation alternative. Funding is included in the project budget for coordinated, traffic congestion mitigation on US Highway 50 to be provided by the California Department of Transportation and the El Dorado County Department of Transportation.

2
1,566 lbs.
\$89.04/lb.

<b>Budget Summary</b>	AB2766 Funds	\$ Matching Funds	In-Kind Match	Total Project Costs
Operations	\$84,708	\$6,000	\$10,684	\$101,392
Marketing/Outreach	\$0	\$0	\$10,000	\$10,000
Contracts	\$21,530	\$0	\$0	\$21,530
Other	\$500	\$0	\$	\$500
TOTAL	\$106,738	\$6,000	\$20,684	\$133,422

# **BUDGET ITEMIZATION**

# Apple Hill® Shuttle 2012

Line Item	Title/Classification	No. of Hours	Rate	Benefit %	Total Costs
2012 Shuttle Operations	Blended cost accounting includes salaries and benefits, vehicle maintenance and fuel, and associated costs for operation of commuter service.	380	*\$128.36	24.6%	\$48,777
Cost Escalator	Projected 2.6% cost increase based on Consumer Price Index (CPI) through January 2012	380	\$3.34	24.6%	\$1,269
Contracts		Traffic Control	and Direction	onal Signage	\$ 10,765
Equipment Rental				n/a	\$ 0
Materials and Supplies					\$250
Other Costs		Advertising, (	Outreach and	Promotions	\$5,000

<sup>\*</sup> Blended Commuter Operating Cost per Revenue Hour, derived from Fiscal Year 2011/12 Administrative Operations Report, adopted by the El Dorado County Transit Authority on October 6, 2011.

# Apple Hill® Shuttle 2013

Line Item	Title/Classification	No. of Hours	Rate	Benefit %	Total Costs
2013 Shuttle Operations	Same as above	380	131.70	24.6%	\$50,046
Cost Escalator	Projected 2.6% cost increase based on Consumer Price Index (CPI) through January 2012	380	\$3.42	24.6%	\$1,300
Contracts		Traffic Control	and Direct	tional Signage	\$ 10,765
Equipment Rental		y 16 e-161	645 JZ	n/a	\$ 0
Materials and Supplies			4 1 7		\$250
Other Costs		Advertising, (	Outreach ar	nd Promotions	\$5,000

PROJECT GRAND TOTAL: \$133,422

# **CONTENTS CHECKLIST**

App	licant:	El Dorado County Transit Authority	
Proje	ect:	Apple Hill® Shuttle 2012 and 2013	
<b>V</b>	Project S	Summary Sheet	Cover
V	Request	for Proposal Contents Checklist	
$\checkmark$	Authoriz	ration Letter/Resolution	1
$\checkmark$	Project I	Description	4
$   \sqrt{} $	Project C	Organization/Background	6
$   \sqrt{} $	Emission	ns Benefits/Cost Effectiveness	7
V	Work Sta	atement	8
V	Acknow	ledgements	9
V	Funding	Request/Cost Breakdown	10
V	Matching	g Funds	11
V	Monitori	ng Program	12
V	Local TF	RPA Review	n/a
V	Two (2)	Copies of Proposal	
Арр	endices		
Appe Appe	endix A endix B endix C endix D	Excerpts from Emission Factor Tables, March 2010 Examples of Project Timecard, Trip Sheet and Operations Report Letters of Commitment/Support Samples of Advertising and Outreach	

6565 COMMERCE WAY DIAMOND SPRINGS, CA 95619-9454 (530) 642-5383 FAX (530) 622-BUSS www.eldoradotransit.com

March 23, 2012

Dave Johnston, Air Pollution Control Officer El Dorado County Air Quality Management District 330 Fair Lane Placerville, CA 95667

Re: AB2766 Motor Vehicle Emission Reduction Project 2012-2013

Apple Hill® Shuttle, October 2012 and 2013

Mr. Johnston,

The El Dorado County Transit Authority (El Dorado Transit) is submitting an application for AB2766 Motor Vehicle Emission Reduction Project funding for 2012–2013. El Dorado Transit Resolution No. 12-08 (copy attached), authorizes the submission of the application.

Contact person:

Matt Mauk, Transit Services Assistant El Dorado County Transit Authority

6565 Commerce Way

Diamond Springs, CA 95619

Phone: (530) 642-5383 Extension 201 Email: mmauk@eldoradotransit.com

The El Dorado County Transit Authority will administer the project.

The El Dorado County Transit Authority will provide a weekend shuttle service within the Apple Hill® area during the month of October 2012 and 2013. The proposed project budget includes funding for the provision of traffic control measures on US Highway 50 in Placerville and Camino. This project will provide an alternative to traveling by automobile and will reduce automobile congestion and the associated emissions.

We appreciate your consideration regarding our proposal and request that this project be approved for funding.

Sincerely,

Scott Ouse / for Munch, Jackson Mindy Jackson

**Executive Director** 

6565 COMMERCE WAY
EL DORADO COUNTY TRANSIT AUTHORITY OND SPRINGS, CA 95619-9454

(530) 642-5383

FAX (530) 622-BUSS www.eldoradotransit.com

RESOLUTION OF THE BOARD OF DIRECTORS OF THE EL DORADO COUNTY TRANSIT AUTHORITY TO SUBMIT A PROPOSAL FOR ASSEMBLY BILL 2766 (AB 2766) MOTOR VEHICLE EMISSION REDUCTION PROJECTS

**RESOLUTION NO. 12-08** 

WHEREAS, the California Clean Air Act requires local air pollution control districts to reduce emissions from motor vehicles; and

WHEREAS, AB 2766, codified in California Health and Safety Code section 44223, authorizes districts to impose a fee of up to four dollars upon certain registered motor vehicles within the district, and the Governing Board of the El Dorado County Air Quality Management District (EDC AQMD) has imposed said fee; and

WHEREAS, said legislation requires the EDC AQMD to use said funds for activities related to reducing air pollution from motor vehicles and for related planning, monitoring, enforcement, and technical studies necessary for the implementation of the California Clean Air Act of 1988; and

WHEREAS, El Dorado County Transit Authority is an eligible applicant for AB 2766 projects; and

WHEREAS, the EDC AQMD has published a request for proposals for Fiscal Year 2012/13 AB 2766 eligible projects;

**BE IT HEREBY RESOLVED AND ORDERED,** that the Executive Director is hereby authorized and directed to submit proposals for Assembly Bill 2766, Motor Vehicle Emission Reduction Projects, and to execute all documentation resulting from these applications, and to execute all necessary actions to carry out the purpose of this resolution;

**BE IT FURTHER RESOLVED**, that the Transit Services Assistant Matt Mauk be the contact person at the El Dorado County Transit Authority, 6565 Commerce Way, Diamond Springs, California 95619, (530) 642-5383 extension 201;

**BE IT FURTHER RESOLVED,** that El Dorado County Transit Authority will make all reasonable efforts to include matching funds in the proposed project budget for Fiscal Years 2012/13 and 2013/14.

PASSED AND ADOPTED BY THE GOVERNING BOARD OF THE EL DORADO COUNTY TRANSIT AUTHORITY at a regular meeting of said Board held on the 5<sup>th</sup> day of April 2012, by the following vote of said Board:

AYES:	NOES:	ABSTAIN:	ABSENT:
Wendy Mattson, C	hair		
ATTEST:			
Barbara McDonald	, Secretary to the Board	<del></del> , , , , , , ,	

### PROJECT DESCRIPTION

### **Objectives**

The El Dorado County Transit Authority (El Dorado Transit), in collaboration with the Apple Hill® Growers Association, proposes to operate a parking shuttle service in the Camino/Placerville area (Apple Hill®) on the first four (4) weekends of October 2012 and 2013. In combination with coordinated traffic control measures and directional signage, the Apple Hill® Shuttle will significantly reduce vehicle emissions from heavy, seasonal traffic; multiple cold, vehicle starts; and excessive idling due to congestion on rural roads and the lack of sufficient parking at individual attractions. With project funding, El Dorado Transit will subcontract with the California Department of Transportation (Caltrans) for traffic control and with the El Dorado County Department of Transportation (EDC DOT) to provide directional signage along US Highway 50 approaching Apple Hill®. Along with the shuttles, these coordinated efforts will greatly enhance traffic flow along a heavily traveled interstate, in turn promoting safe access to this popular destination and supporting ongoing efforts to improve air quality in the region.

### Scope of Work

El Dorado Transit in collaboration with the Apple Hill® Growers Association will provide a parking shuttle along the Apple Hill® scenic drive on weekends during October 2012 and October 2013. The shuttle will be a continuous loop between at least two (2) staffed, parking facilities and several Apple Hill® ranches, farms and wineries. The parking sites will be provided through agreements with the Placerville Union School District for use of the Louisiana Schnell School parking lot (Placerville) and with the U.S. Forrest Service for use of the Placerville Ranger Station facility (Camino). Additional parking facilities may be explored if necessary. The shuttle will operate from 10:00 a.m. until 5:00 p.m. Saturdays and Sundays, weather permitting. The shuttle buses will board and disembark passengers at each safe location about every fifteen (15) to twenty (20) minutes depending upon traffic.

If funded, this project will include \$10,765 per year for the provision of traffic control measures on US Highway 50 in Camino to coincide with the shuttle services. The traffic control will be a coordinated effort with Caltrans to provide assets and personnel for traffic control and the El Dorado County DOT to provide directional signage at multiple locations on US Highway 50 approaching the area. Traffic control will include the closure of up to three (3) exits from eastbound US Highway 50 onto Carson Road in Camino, during peak traffic times. US Highway 50 serves as the primary ingress and egress route for visitors traveling to the Apple Hill® area. During peak times, such as weekends in October, extremely high traffic volume leads to stop-and-go congestion and creates unsafe driving conditions on US Highway 50 and connecting surface streets. Vehicles attempting to turn left from eastbound lanes wait in long lines and eventually cross westbound lanes where the posted speed limit for opposing traffic is sixty-five (65) miles per hour. The closure of left hand turns from eastbound US Highway 50 and diversion of traffic to existing interchanges will significantly improve traffic flow and safety, mitigate traffic congestion and reduce emissions from excessive vehicle idling.

A project budget is included in this proposal which provides for shuttle operations and traffic control measures for October 2012 and 2013. With funding, El Dorado Transit will provide the following:

- At least six (6) transit buses with capacity for forty-five (45) passengers each
- Support staff: transit drivers, transportation supervisors, coordinators, dispatchers and project managers
- Approximately 350 to 380 hours of passenger service (service may be increased or decreased depending on demand/weather) between two (2) off-site parking locations and approximately thirty (30) ranches, farms and wineries throughout the Apple Hill® area
- Coordination of information provided through the Apple Hill® Growers Association
- Press releases, advertising and website notification, including acknowledgements of AQMD funding
- Agreements with local agencies for parking facilities
- Public liability insurance coverage
- Associated contract administration overhead costs
- Portable restroom at parking facilities, where necessary
- Shuttle signage and installation of signs at safe stops along scenic route
- Placards on shuttle buses including acknowledgement of AQMD funding
- Coordination and scheduling of traffic control and directional signage

The Apple Hill® Growers Association will provide matching funds and in-kind advertising, for each year funded, as follows:

- Matching funds \$3,200 per year funded
- Promotion in the 2012 and 2013 Cider Press; a ranch marketing publication with a distribution of 200,000 throughout the states of California and Nevada. Articles and/or advertisements will include acknowledgement of AQMD funding
- Shuttle information to be included on all Apple Hill® maps (an additional 125,000 distributed)
- Regional newspaper advertising, including acknowledgement of AQMD funding
- The Apple Hill<sup>®</sup> Growers Association website will include information on the shuttle operations and acknowledgement of AQMD funding
- Weekly, mass email distribution during September and October

Under contract with El Dorado Transit, Caltrans and EDC DOT will provide sufficient equipment and personnel to facilitate traffic control on US Highway 50 and connecting surface streets in Camino, during peak traffic times.

### PROJECT ORGANIZATION/BACKGROUND

#### **Project Organization**

El Dorado Transit will act as lead agency for the Apple Hill® Shuttle project. El Dorado Transit will administer the El Dorado County Air Quality Management District (AQMD) contract, execute off-site parking agreements with the Placerville Union School District and US Forrest Service, and provide for public liability insurance. El Dorado Transit staff will be responsible for all shuttle operations, vehicle maintenance and support, and appropriate staffing to assure public safety at off-site parking facilities. El Dorado Transit will sub-contract with Caltrans and EDC DOT for the provision of traffic control measures to coincide with shuttle operations.

#### **Background**

El Dorado Transit has provided public transportation services for the Western Slope of El Dorado County since 1975. Established as a Joint Powers Agency with the County of El Dorado and the City of Placerville, El Dorado Transit provides public transportation to the community in the form of local fixed routes; curb-to-curb Dial-A-Ride; Sac-Med non-emergency medical transportation; complementary paratransit in Placerville; commuter routes from Placerville to downtown Sacramento; commuter routes to the Sacramento Light Rail in Folsom and contracted transportation for social service agencies. El Dorado Transit provided a combined 412,381 passenger trips during Fiscal Year (FY) 2010/2011.

Sixty-six (66) employees provide transportation services fourteen and one-half (14 ½) hours a day, Monday through Friday, and limited weekend hours. All components necessary to provide public transportation are housed within the Transit Operating Base and Maintenance Facility at 6565-67 Commerce Way Diamond Springs, California. El Dorado Transit maintains and schedules a fleet of sixty-one (61) vehicles, including wheelchair accessible mini-vans; lift-equipped buses with capacity ranging from twenty-two (22) up to fifty-seven (57) passengers, one (1) mobile mechanics' truck and seven (7) staff vehicles. In-house services include operations; dispatching and scheduling; trip planning; vehicle maintenance; transit planning; marketing and full administrative support.

El Dorado Transit management, drivers and staff have a distinguished level of commitment and competence in providing efficient public transportation to the residents of the Western Slope of El Dorado County. Twenty-two (22) regular Transit Drivers received safe driving commendations for FY 2010/11. Management and supervisory employees have completed the accredited Paratransit and Transit Management Program.

El Dorado Transit is an experienced shuttle operator. El Dorado Transit has provided an Apple Hill<sup>®</sup> Shuttle each year since 1988, with the exception of 2001 and 2002 due to a lack of funding. The 2011 Apple Hill<sup>®</sup> Shuttle provided a record 24,130 passenger trips over eight (8) days. This represents an average of more than 3,000 trips per day. The agency has also provided annual shuttle service for the El Dorado County Fair since 1990.

#### VANPOOLS AND SHUTTLES

Subcategory: (4c) Transit Operations (new service, shuttles, fuel subsidies)

Air District Name: El Dorado County APCD

Local Government Name: Not Applicable

**Project Name:** Apple Hill Shuttle 2012 and 2013

Description: Parking Shuttle Service, weekends, October 2012 and 2013

(Issues/Comments)

Implementing El Dorado County Transit Authority Private Agency: No Agency:

**FUNDING:** 

MVFees Funding: \$106,738 MSRC Funding: \$0

Moyer Funding: \$0 CMAQ Funding: \$0

Other CoFunding: \$26,684

Capital Recovery Factor: 0.52 Annual Auto Trips Reduced: 5,890

Project Analysis Period: 2 years Annual Auto VMT Reduced: 453,530

Annual Operating Days (D): 8 days

Daily Ridership (R): 3,100 trips (riders)/day

Annual Van VMT: 5,322 annual miles traveled

Adjustment (A): 0.95 This factor equals the portion of riders who are NOT vanpool-dependent.

Replaced Auto Trip Length (L): 23.00 miles in one direction of trip

Adjustment (AA): 0.75 This factor equals the portion of riders

who drive to the vanpool service.

Auto Access Trip Length (LL): 5.00 miles in one direction of trip

EMISSION Auto Trip End Factors Auto VMT Factors VanVMT Factors

FACTORS: ROG: 1.023 grams 0.277 grams 0.25 grams

NOx: 0.462 per 0.324 per 4.60 per trip mile mile

**PM10:** 0.016 trip 0.221 mile 0.06

EMISSION
REDUCTIONS:

Pounds per Year
ROG: 287

Tons per Year
0.14

NOx: 276 0.14 PM10: 220 0.11

Total: 783 0.39

COST-EFFECTIVENESS OF:

Motor Vehicle Fees and/or Moyer Funds: \$71.24 per pound \$142,472 per ton

CMAQ Funds: \$0.00 per pound \$0 per ton

All Funding Sources: \$89.04 per pound \$178,089 per ton

Phase/Task	Timeline	Description	Deliverables
Planning and	July 2012 – September 2012	Notice to Proceed/Contract Execution	Executed Contract
Preparation	March 2013 – September 2013	Preparation of informational/promotional/advertising materials for print and website publication	Copy/Artwork for print publication and Copy/Artwork for website production including acknowledgement of AQMD funding
		Press release and email preparation and distribution	Copy of Press Releases and emails including acknowledgement of AQMD funding
		Design and production of signage for shuttle operations	Operational Signs and Placards including acknowledgement of AQMD funding
		Route planning, scheduling and staff training	Meeting Agendas/Notes, Schedules, Staff Training Materials and Sign-In Sheets
	- Charle Carlos Land	Procurement of materials and supplies	Account Listing(s)
		Preparations and execution of Facility Use Agreements for shuttle parking	Copies of Facility Use Agreements
		Acquisition of Insurance Certificates	Certificates of Insurance
		Collaboration with transportation partners to provide traffic control measures	Copies of Standard Agreements/Work Statements, Invoices, and Meeting Agendas/Notes
		Vehicle/parking site/shuttle stop preparation	Copies of Project Checklists/*Project Timecards, Work Orders
		Reporting	Quarterly Reports and Invoices as required
Shuttle Operations	October 2012 and 2013	Parking shuttle service, weekends	*Trip Sheets, *Project Timecards
		Vehicle Maintenance	Work Orders
		Contracted Traffic Control and Directional Signage	Copies of Contractor Invoices/Work Statements
		Site breakdown	n/a
		Reporting	Quarterly Reports and Invoices as required
Project Closeout	November 2013 – January 2014	After Action Meeting(s) with staff and partner agencies	Meeting Agendas/Notes
		Processing of Sub-Contractor Invoices	Contractor Invoices/Work Statements, Checks
		Preparation of Final Report	Final Project Report, Final Invoice

<sup>\*</sup>Examples of the Project Timecard and Trip Sheet are included in Appendix B.

# **ACKNOWLEDGEMENTS**

## **Print Advertising and Promotional Materials**

An important element in the success of the Apple Hill<sup>®</sup> Shuttle project will be marketing and advertising the service both in print and on the web. El Dorado Transit will collaborate with the Apple Hill<sup>®</sup> Growers Association to include an acknowledgement of Air Quality Management District (AQMD) grant program funding in all feature articles, press releases and print advertisements promoting the shuttle service. Examples of print advertising include the following:

- The Cider Press magazine; this ranch marketing publication, produced annually by the Apple Hill® Growers Association, has a wide distribution of approximately 200,000 in both Northern California and Nevada. The 2012 and 2013 Cider Press magazines will include feature articles on the Apple Hill® Shuttle, highlighting AQMD grant sponsorship and the emissions benefits of the service. An excerpt from the Cider Press is included in Appendix D.
- Shuttle information and references to AQMD funding, will also be included in the Cider Press Map which serves as a companion piece to the Cider Press and has an annual distribution of approximately 125,000.
- El Dorado Transit and the Apple Hill® Growers Association will develop and distribute multiple press releases to local news outlets promoting the shuttle service and emphasizing AQMD sponsorship. An El Dorado Transit Press Release in included in Appendix D.
- The Apple Hill® Growers Association will purchase advertising space in multiple newspapers with distribution in El Dorado County, Sacramento County, Placer County and Reno, Nevada. All references to the shuttle service will include an acknowledgement of AQMD funding.
- Each year, El Dorado Transit produces Shuttle Maps in-house and distributes them to all passengers as they board shuttle buses at the staffed, parking facilities. These print pieces are utilized by shuttle passengers throughout their visit and will prominently feature a reference to AQMD funding.

#### Websites and Email Distribution

El Dorado Transit and the Apple Hill<sup>®</sup> Growers Association maintain websites in-house as a vital communications link to their respective customers. Information on the shuttle service, including AQMD funding, will be prominently featured on both websites before and during Shuttle operations. In addition, the Apple Hill<sup>®</sup> Growers Association and El Dorado Transit will send regular, shuttle related email "blasts" to subscribers during September and October of each year. An acknowledgment of AQMD funding will be included in all web-based shuttle promotions.

### Vehicle Placards and Shuttle Signage

Vehicle placards and shuttle signs are important, highly visible tools to help visitors negotiate the use of shuttle services. Temporary bus stop signs will be installed at parking

sites and at the approximately thirty (30) shuttle stops along the route. These signs will feature shuttle branding and the phrase "Funding for the Apple Hill Shuttle is provided by the El Dorado County Air Quality Management District, the Apple Hill® Growers Association and El Dorado Transit." Fare box covers will also be placed in all the vehicles while in shuttle service informing passengers of AQMD sponsorship.

# FUNDING REQUEST/BREAKDOWN

The El Dorado County Transit Authority (El Dorado Transit), in collaboration with the Apple Hill® Growers Association, proposes to operate a parking shuttle service in the Apple Hill® area on the first four (4) weekends of October 2012 and 2013. The following table illustrates the projected project costs, by work element, the proportion of costs to be paid with AB 2766 DMV surcharge fees and matching funds:

	AB2766 Funds	Matching Funds	In-Kind Match	Total Project Costs
Shuttle Operations	\$84,708	\$6,000	\$10,684	\$101,392
Marketing and Outreach	\$0	\$0	\$10,000	\$10,000
Material and Supplies	\$500	\$0	\$0	\$500
Contracts (Traffic Control)	\$21,530	\$0	\$0	\$21,530
TOTAL	\$106,738	\$6,000	\$20,684	\$133,422

El Dorado Transit is requesting allocation of \$106,738 in AB2766 DMV Surcharge funds for eligible expenditures directly related to the provision of this two (2) year project. This funding will provide for a portion of shuttle operations, materials and supplies and the provision of traffic control measures on US Highway 50 in Placerville and Camino.

### **MATCHING FUNDS**

Source	Matching Funds	In-Kind Match	Purpose	Total Match	
Apple Hill® Growers Association	\$6,000		Shuttle Operations	\$16,684	
El Dorado Transit		\$10,684		410,00	
Apple Hill® Growers Association		\$10,000	Marketing and Outreach	\$10,000	
Total	\$6,000	\$20,684	. 6-0	\$26,684	

The Apple Hill® Growers Association will make a monetary contribution to the operations cost of the shuttle in the amount of \$3,000 per year funded.

The Apple Hill® Growers Association will contribute ad space in the Cider Press and Apple Hill® Map commercially valued at a minimum of \$1,500 per annual publication. The Apple Hill® Growers Association and El Dorado Transit will also develop, produce and distribute print advertising and promotional materials, email promotions, and maintain websites for marketing and outreach. In addition, El Dorado Transit will develop and produce vehicle placards, shuttle signage and fare box covers to promote the Apple Hill® Shuttle. A letter of support from the Apple Hill® Growers Association, including a commitment of matching funds, is included in Appendix C.

El Dorado Transit will commit an in-kind contribution sufficient to offset operations costs, directly associated with the project, in the amount of at least \$10,684 for the life of the project. El Dorado Transit will include sufficient funds in its 2012/13 and 2013/14 Operating Budgets to offset the above costs. A Letter of Commitment (pg.1) and El Dorado Transit Resolution No. 12-08 (pgs. 2-3) and are provided herein.

# MONITORING PROGRAM

El Dorado Transit, in collaboration with the Apple Hill<sup>®</sup> Growers Association, proposes to operate a parking shuttle service in the Apple Hill<sup>®</sup> area on the first four (4) weekends of October 2012 and 2013. In combination with coordinated traffic control measures and directional signage provided by Caltrans and EDC DOT, the Apple Hill<sup>®</sup> Shuttle will significantly reduce vehicle emissions from heavy, seasonal traffic; multiple cold, vehicle starts; and excessive idling due to congestion on rural roads and the lack of sufficient parking at individual attractions.

AB 2766 grants are performance based. For the Apple Hill® Shuttle, ridership will be the primary performance measure as it relates to the cost effectiveness of the project as a whole. Being a seasonal and multi-organizational project; planning, preparation, collaboration and marketing are all vital to the success of the project. These activities must take place well in advance, during and after October of each year when the shuttles are running. The effectiveness of all of these, however, is ultimately measured by the numbers of passengers who ride the shuttle. Ridership will be tracked by the driver, while shuttles are in service, utilizing standard trip sheets. Trip sheets include names, service times, vehicle numbers, miles traveled and passenger boardings. An example Trip Sheet is provided in Appendix B. All shuttle trip sheets will be collected at shift end, compiled and verified by the on-duty dispatcher or supervisor. Upon completion of shuttle operations, ridership and mileage data will be consolidated into a single Operations Report and provided to AQMD, as required. An example Operations Report is provided in Appendix B.

Accurately judging the cost effectiveness of the Apple Hill® Shuttle requires close monitoring of expenditures, tracking of project related activities and timely, detailed cost accounting. As a public transportation provider under a joint powers agreement with the County of El Dorado and City of Placerville, El Dorado Transit has extensive experience in reporting such performance measures and accounting to Federal, State and local government agencies as well as internally to its publicly elected Board of Directors. El Dorado Transit has sufficient staff to operate, market, manage, track and report on the performance of the Apple Hill® Shuttle. The Transit Services Assistant (TSA) will act as Project Manager and Agency Liaison for the Apple Hill® Shuttle. The TSA will be responsible for working with internal staff in the Operations, Maintenance and Accounting departments and with partner organizations and contractors to track project activities and expenditures. Documentation of all project related activities and expenditures will be maintained on file and made available for review to the AOMD, El Dorado County Auditor, California Air Resources Board, Bureau of State Audits, or their designated representatives for a minimum of three (3) years after final payment, unless otherwise required. Documentation may include but is not limited to the following: copies of project timecards, account listings, bank records, work orders, employee timecards, trip sheets, standard agreements, invoices, facility use agreements, promotional materials and advertising, certificates of insurance, meeting agendas, sign-in sheets, and notes. El Dorado Transit will grant designated representatives access to such records during regular business hours at its offices, 6565 Commerce Way, Diamond Springs, CA 95619.

El Dorado Transit will provide the AQMD with quarterly performance reports, as required, to ensure the project is on schedule and within parameters. Reports may include but are not limited to; transaction details, account listings, project timecards, invoices and operations reports.

# APPENDIX A

# **Excerpts from:**

Methods to Find Cost-Effectiveness of Funding Air Quality Projects, Emission Factor Tables, March 2010

# Methods to Find the Cost-Effectiveness of Funding Air Quality Projects

For Evaluating
Motor Vehicle Registration Fee Projects
and
Congestion Mitigation and
Air Quality Improvement (CMAQ) Projects

Emission Factor Tables
March 2010

California Air Resources Board

**Table 1 Diesel Bus Emission Factors** 

(through Model Year 2010)

		Emission	Factor (g/mi)
Pollutant	Model Year	Average	45 MPH
ROG	Entire Fleet	0.73	0.43
	1973-83	0.83	0.49
	1984-90	0.85	0.49
	1991-93	0.80	0.48
	1994-95	0.87	0.48
	1996-2001	0.81	0.47
	2002	0.86	0.47
	2003 - 2006	0.25	0.14
	2007 - 2009	0.03	0.02
	2010	0.03	0.02
CO	Entire Fleet	3.74	1.97
	1973-83	6.48	3.43
	1984-90	6.03	3.18
	1991-93	3.48	1.83
	1994-95	2.27	1.23
	1996-2001	1.83	0.96
	2002	1.87	0.96
	2003 - 2006	1.31	0.70
	2007 - 2009	1.04	0.55
	2010	0.99	0.53
NOx	Entire Fleet	19.35	17.32
	1973-83	28.73	25.77
	1984-90	26.21	23.43
	1991-93	15.93	14.22
	1994-95	18.51	16.65
	1996-2001	18.40	16.48
	2002	12.68	11.38
	2003 - 2006	4.60	4.13
	2007 - 2009	0.59	0.53
	2010	0.56	0.51
PM10 - Exhaust	Entire Fleet	0.33	0.19
	1973-83	0.39	0.24
	1984-90	0.39	0.23
	1991-93	0.40	0.22
	1994-95	0.52	0.27
	1996-2001	0.35	0.21
	2002	0.14	0.11
	2003 - 2006	0.06	0.02
	2007 - 2009	0.04	0.02
	2010	0.03	0.02
PM10 - Tire Wear	All Years	0.008	Not Speed Dependent
PM10 - Brake Wear	All Years	0.013	Not Speed Dependent
PM10 - Road Dust	All Years	0.184	Not Speed Dependent

Source: EMFAC2007, V2.3 (Nov 1 2006), average annual emissions, statewide urban diesel bus fleet, running exhaust emissions only, humidity 50%, temperature 75 degrees F.

PM10 Road Dust (paved) emission factor of 0.184 is based on US EPA's Compilation of Air Pollutant Emission Factors (AP-42, January 1995).

March 2010

# **Table 3 Average Auto Emission Factors**

(Fleet of Light-Duty Passenger Vehicles, Light-Duty Trucks and Motor Cycles)

Analysis Period or Project Life	1-5 Years (2008-2012)	6-10 Years (2008-2017)	11-15 Years (2008-2022)	16-20 Years (2008-2027)
ROG			The same	
VMT (g/mile)	0.277	0.231	0.200	0.180
commute trip ends (g/trip end)	1.023	0.860	0.738	0.646
average trip ends (g/trip end)	0.762	0.644	0.555	0.488
NOx				
VMT (g/mile)	0.324	0.263	0.220	0.189
commute trip ends (g/trip end)	0.462	0.380	0.315	0.267
average trip ends (g/trip end)	0.444	0.368	0.307	0.260
PM10				
VMT (g/mile)	0.221	0.221	0.221	0.222
running exhaust only (g/mile)	0.016	0.017	0.017	0.017
tire and brake wear (g/mile)	0.020	0.020	0.020	0.020
road dust (g/mile)	0.184	0.184	0.184	0.184
commute trip ends (g/trip end)	0.016	0.017	0.017	0.017
average trip ends (g/trip end)	0.009	0.009	0.009	0.009
CO				
VMT (g/mile)	3.365	2.758	2.338	2.044
commute trip ends (g/trip end)	8.784	7.381	6.274	5.427
average trip ends (g/trip end)	6.289	5.270	4.472	3.862

Source: EMFAC2007, V2.3 (Nov 1 2006), statewide average annual emissions

RTS runs use humidity 50%, temperature 75 degrees F.

PM10 Road Dust (paved) emission factor of 0.184 is based on US EPA's Compilation of Air Pollutant Emission Factors

(AP-42, January 1995).

March 2010

**Table 3A Average Auto Emission Factors** 

(Fleet of Light-Duty Passenger Vehicles, Light-Duty Trucks and Motor Cycles)

Analysis Period or Project Life	1 Year 2008	1 Year 2009	1 Year 2010
ROG			Table 1
VMT (g/mile)	0.332	0.302	0.273
commute trip ends (g/trip end)	1.189	1.100	1.016
average trip ends (g/trip end)	0.885	0.819	0.756
NOx			
VMT (g/mile)	0.391	0.354	0.320
commute trip ends (g/trip end)	0.535	0.498	0.461
average trip ends (g/trip end)	0.511	0.477	0.444
PM10			
VMT (g/mile)	0.220	0.220	0.221
running exhaust only (g/mile)	0.016	0.016	0.016
tire and brake wear (g/mile)	0.020	0.020	0.020
road dust (g/mile)	0.184	0.184	0.184
commute trip ends (g/trip end)	0.015	0.016	0.016
average trip ends (g/trip end)	0.008	0.008	0.009
CO			
VMT (g/mile)	4.032	3.668	3.325
commute trip ends (g/trip end)	10.113	9.422	8.747
average trip ends (g/trip end)	7.259	6.753	6.261

Source: EMFAC2007, V2.3 (Nov 1 2006), statewide average annual emissions

RTS runs use humidity 50%, temperature 75 degrees F.

PM10 Road Dust (paved) emission factor of 0.184 is based on US EPA's Compilation of

Air Pollutant Emission Factors (AP-42, January 1995).

March 2010

# APPENDIX B

# Examples of:

Project Timecard Trip Sheet with 2011 Shuttle Map Proposed Statistical Operations Report

# **PROJECT TIME CARD**

PROJECT:			Page	
Employee:				
ATE:	TIME:	HOURS:	TASKS COMPLETED:	
1				
		-		the state of the s
	-			
				A Charles of the second
				-
-	-	-	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	1
	-			
		-		

EL DORADO TRANSIT TRIP SHEET Revised: 11/2/09 bt	DATE:
	PLE HILL SHUTTLE
BUS #	DRIVER:
ROUTE (RED OR GREEN):	
CHECK-IN TIME:	IN SERVICE TIME:
LEAVE YARD AT:	START ROUTE AT RED / GREEN APPLE BASE
CHECK-OUT TIME:	LUNCH BREAK:
PRE-TRIP BUS #:	APPLE HILL SHUTTLE SIGN & SCHEDULES
PRE-TRIP BACKUP BUS #:	EMPTY TRASH
	CLEAN & SWEEP VEHICLE
*********************	******************************
BUS # ROUT	TE (RED OR GREEN):
MILEAGE:	HOURS:
STARTING:	OUT OF SERVICE:
ENDING:	IN SERVICE:
	TOTAL HOURS:
PASSENGER COU	
BUS # ROUT	TE (RED OR GREEN):
MILEAGE:	HOURS:
STARTING:	OUT OF SERVICE:
ENDING:	IN SERVICE:
	TOTAL HOURS:
PASSENGER COU	INT:
	TO (DED ON ODERN)
BUS # ROUT	E (RED OR GREEN):
MILEAGE:	HOURS:
STARTING:	OUT OF SERVICE:
ENDING:	IN SERVICE:
	TOTAL HOURS:
PASSENGER COU	NT:





Sponsored by El Dorado County Air Quality **Management District** 

11. Larsen Apple Barn

**Between Routes** 

at Any of

These Locations

- 12. Goyette's N. Canyon Ranch
- 13. Apple Pantry/Stone's Throw Winery
- 14. Kids Inc.
- 15. Bavarian Hills Orchard
- 16. El Dorado Orchards
- 17. Lava Cap Winery
- 2. Abel's Acres
- 1. Schnell School (RED PARKING)

28. Appleland Orchard

29. Jack Russell Brewery

1. Larsen Apple Barn

10. Rainbow Orchards 9. Honey Bear Ranch

> 30. Camino Post Office 18. Ranger Station (GREEN PARKING)

Shuttles Run Every 15 to 20 Minutes (Last Bus Begins at 5:00PM Each Day) Service Subject to Concellato BB to Adverse Veather Service Animals Only

# **STATISTICAL OPERATIONS REPORT**

Project Name:

Apple Hill® Shuttle 2012

000-DMV-12/13-BOS

EDCAQMD Contract Number: Reporting Period Ending:

December 31, 2012

DAYS/DATES	No. of Vehicles	Passenger Boardings	Vehicle Service Hours	Vehicle Service Miles
Saturday, October 6, 2012				
Sunday, October 7, 2012				
Saturday, October 13, 2012				
Sunday, October 14, 2012				
Saturday, October 20, 2012				
Sunday, October 21, 2012				
Saturday, October 27, 2012				
Sunday, October 28, 2012				
TOTAL				

Average Daily Trips	3,016
MAX Day	3,564
MIN Day	1,692
Trips per Hour	64
Avg. Service Hours per Day	47.5

#### **Personnel Hours**

Title/Classification	<b>Hours</b>	Rate	<b>Total</b>
Reg. FT Driver	000	00.00	000
Reg. PT Driver	<b>2</b>	-	- 4
Dispatcher	-	-	-
Transit Services Assistant	-	-	-
Trans. Supervisor	-	-	1=
Title/classification	-	2	-
Title/classification	-	-	-
Title/classification	-	-	-
Title/classification	-	-	-
Title/classification	-	-	-

Verified By:		
Signature:		
Date:		

# APPENDIX C

# **Letters of Commitment/Support**

El Dorado Transit Apple Hill® Growers Association El Dorado County Transportation Commission El Dorado County Chamber of Commerce

6565 COMMERCE WAY DIAMOND SPRINGS, CA 95619-9454 (530) 642-5383 FAX (530) 622-BUSS www.eldoradotransit.com

March 19, 2012

Dave Johnston, Air Pollution Control Officer El Dorado County Air Quality Management District 330 Fair Lane Placerville, CA 95667

Mr. Johnston,

The El Dorado County Transit Authority (El Dorado Transit), as the grantee of Assembly Bill 2766 funds, under the administration of the El Dorado County Air Quality Management District, understands that matching funds (either monetary and/or in-kind) must be available when entering into the contract to perform the proposed project. El Dorado Transit will make all reasonable efforts to include matching funds, totaling at least twenty percent (20%) of the total project as proposed, in the adopted operating budget for Fiscal Years 2012/13 and 2013/14.

Sincerely,

Mindy Jackson
Executive Director

Cc: Mindy Jackson, Executive Director El Dorado County Transit Authority



March 19, 2012

Dave Johnston, Air Pollution Control Officer El Dorado County Air Quality Management District 330 Fair Lane Placerville, CA 95667

Mr. Johnston,

The Apple Hill® Growers Association supports the El Dorado County Transit Authority (El Dorado Transit) request for AB 2766 grant program funds to continue operation of a shuttle in the Apple Hill<sup>®</sup> region during October 2012 and 2013. The Apple Hill<sup>®</sup> Shuttle has been in operation each year during the fall since 1988, with the exception of 2001 and 2002 due to lack of funding. The shuttle's ridership has increased steadily, including 2011 wherein ridership climbed 59% to 24,130 trips over the eight (8) days of service. This represents an average of more than 3,000 trips per day.

The Apple Hill® Shuttle will provide a convenient, pleasant alternative to traveling by automobile, which typically places visitors in heavy traffic, waiting for available parking in overcrowded lots. The shuttle offers passengers the convenience of reduced drive times between orchards, ranches and wineries, subsequently reducing congestion and lowering emissions related to cold starts. By providing alternative transportation to this area, the shuttle reduces traffic congestion on the rural roads of Camino in addition to providing congestion relief to State Highway 50 east of Placerville.

The Apple Hill® Growers Association is committed to support the shuttle program through advertising, public outreach, and through contributing matching funds.

We strongly recommend that the El Dorado County Air Quality Management District approve the El Dorado Transit grant for the implementation of this project. The shuttle meets the objectives of the grant program and will greatly enhance travel through Apple Hill<sup>®</sup> and the surrounding area.

Sincerely,

Christa Campbell

President

Apple Hill® Growers Association

Cc: Mindy Jackson, Executive Director El Dorado County Transit Authority

P.O. Box 494 • Camino, CA 95709 • Phone (530) 644-7692

11-1429 3B 29 of 35



2828 Easy Street Suite 1, Placerville, CA 95667 | 530.642.5260 | www.edctc.org

March 20, 2012

Dave Johnston, Air Pollution Control Officer El Dorado County Air Quality Management District 330 Fair Lane Placerville, CA 95667

Mr. Johnston, Dull

The El Dorado County Transportation Commission (EDCTC) supports the El Dorado County Transit Authority (EDCTA) request for AB 2766 grant program funds to continue operation of a shuttle in the Apple Hill® region during October 2012 and 2013. The Apple Hill® Shuttle has been in operation each year during the fall since 1988, with the exception of 2001 and 2002 due to a lack of funding. The shuttle's ridership has increased steadily, including 2011 when ridership climbed 59% to 24,130 trips over the eight (8) days of service. This represents an average of more than 3,000 trips per day.

As the Regional Transportation Planning Agency for El Dorado County, EDCTC strives to improve transportation options for area travelers. One of the overall goals identified in the EDCTC Regional Transportation Plan is to provide effective, convenient, coordinated transit service that serves employment centers, activity centers and facilities, and offers a viable option to single occupant vehicle travel.

The Apple Hill® Shuttle will provide a convenient, pleasant alternative to traveling by automobile, which typically places visitors in heavy traffic, waiting for available parking in overcrowded lots. The shuttle offers passengers the convenience of reduced drive times between orchards, ranches and wineries, subsequently reducing congestion and lowering emissions related to cold starts. By providing alternative transportation to this area, the shuttle reduces traffic congestion on the rural roads of Camino in addition to providing congestion relief to US Highway 50 east of Placerville.

We strongly recommend that the El Dorado County Air Quality Management District approve the EDCTA grant for the implementation of this project. The shuttle meets the objectives of the grant program and will greatly enhance travel through Apple Hill®.

Sharon Scherzinger

**Executive Director** 

Sincerely.

Cc: Mindy Jackson, Executive Director El Dorado County Transit Authority



#### Still Finding Gold In El Dorado County

March 16th, 2012

Air Pollution Control Officer El Dorado County Air Quality Management District 2850 Fairlane Court Placerville, CA 95667

To Whom It May Concern,

The El Dorado County Chamber of Commerce fully supports the El Dorado County Transit Authority (EDCTA) request for AB 2766 grant program funds to continue operation of a shuttle in the Apple Hill® region during October 2012 and 2013. The Apple Hill® Shuttle has been in operation since 1988, with the exception of 2001 and 2002 due to lack of funding. The shuttle's ridership has increased steadily, including 2011 wherein ridership climbed 59% to 24,130 trips over the eight (8) days of service. This represents an average of more than 3,000 trips per day.

The El Dorado County Chamber of Commerce is an organization of businesses and individuals devoted to preserving the quality of life in El Dorado County by advocating and promoting a strong, healthy and diverse business community. With programs designed to expand our existing business base and to attract new, clean industry, the Chamber helps to ensure that the business opportunities and quality of life we know today may be sustained through future generations.

The Apple Hill® Shuttle will provide a convenient, pleasant alternative to traveling by automobile, which typically places visitors in heavy traffic, waiting for available parking in overcrowded lots. The shuttle offers passengers the convenience of reduced drive times between orchards, ranches and wineries, subsequently reducing congestion and lowering emissions related to cold starts. By providing alternative transportation to this area, the shuttle reduces traffic congestion on the rural roads of Camino in addition to providing congestion relief to State Highway 50 east of Placerville.

We strongly recommend that the El Dorado County Air Quality Management District approve the EDCTA grant for the implementation of this project. The shuttle meets the objectives of the grant program and will greatly enhance travel through Apple Hill®.

Sincerely,

Laurel Brent-Bumb, ACE

Laurel Brest Bunt

Chief Executive Officer

El Dorado County Chamber of Commerce

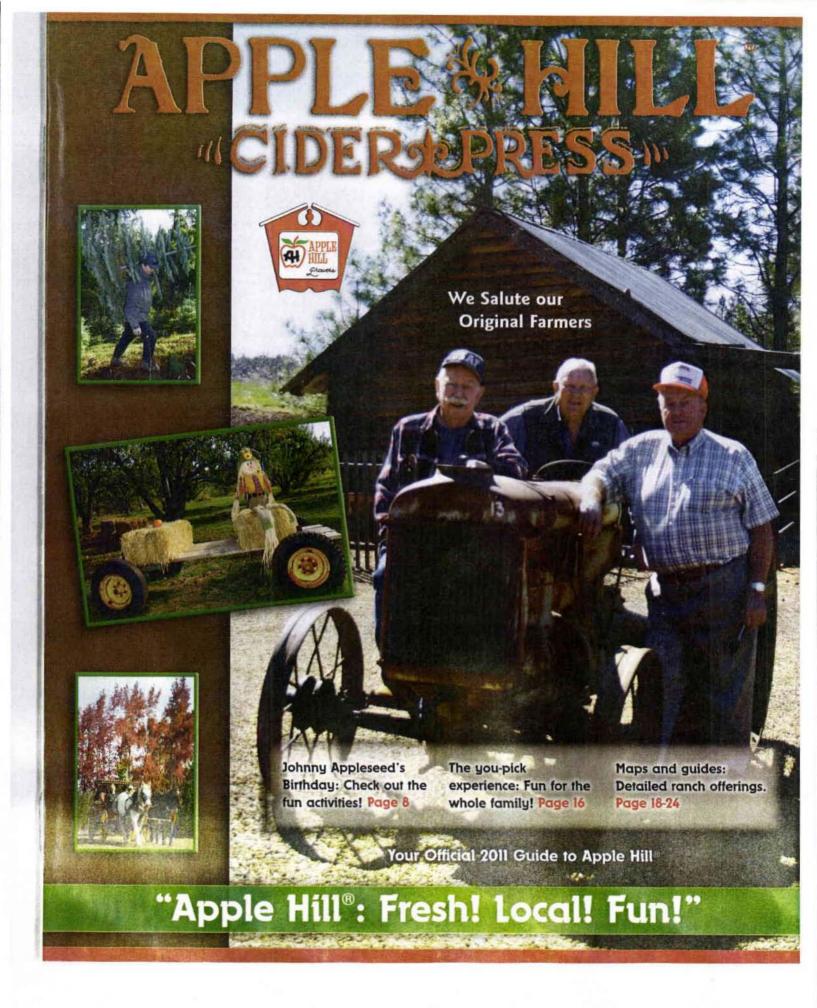
EL DORADO COUNTY CHAMBER OF COMMERCE

542 Main Street, Placerville, California 95667 (530) 621-5885 (800) 457-6279 Fax (530) 642-1624

# APPENDIX D

# Samples of Advertising and Outreach:

2011 Cider Press El Dorado Transit Press Release, September 2011



# Still a Free Ride From Exits 48 and 54!

The Apple Hill® Growers and El Dorado Transit are teaming up again this year to provide a free alternative to driving your car on the busiest harvest weekends. Review the following information to plan your shuttle trip.

 Two shuttle route options, RED route and GREEN route, are shown on the map (pages 20 and 21.)

The RED route, serving western ranches, will offer parking and board passengers at Schnell School. Schnell School is accessed by Highway 50 at Exit #48 and signs from both east and west will direct drivers to the Schnell School parking lot.

The GREEN route, serving eastern ranches, will offer parking and board passengers at the US Forest Service Ranger Station located at Eight Mile Rd. The Ranger Station is accessed by Highway 50 at Exit # 54 and signs from both east and west will direct drivers to the Forest Service Ranger Station parking lot.

 Riders may access BOTH western and eastern ranches by taking advantage of TRANSFER POINTS between the two routes. TRANSFER STOPS for both RED and GREEN routes are located at Rainbow Orchards on Saturdays and Sundays and at Larsen's Apple Barn on Sundays only.

• The shuttle will run on the following weekends, weather permitting: October 1st and 2nd, October 8th and 9th, October

15th and 16th, October 22nd and 23rd.

• The hours of operation are 10 AM to 5 PM (weather permitting).

• Buses are scheduled to arrive every 15-20 minutes.

The Apple Hill® Shuttle is sponsored in part by the El Dorado County Air Quality Management District, El Dorado Transit, and the Apple Hill® Growers Association. The shuttle service is free and allows visitors to relax, enjoy the scenery, and "leave the driving to El Dorado Transit".





(530) 644-6881

4354 Bumble Bee Lane, Camino

www.denverdansapplepatch.com





Apple Hill Cider Press



# PRESS RELEASE

#### For Immediate Release

Date:

September 23, 2011

From:

El Dorado County Transit Authority Matt Mauk, Transit Services Assistant

(530) 642-5383, Extension 201

### FREE Apple Hill® Shuttle-Weekends in October

Placerville, CA, September 23, 2011 – El Dorado Transit will once again operate the FREE Apple Hill<sup>®</sup> Shuttle, every Saturday and Sunday (weather permitting) from 10am to 5pm, October 1<sup>st</sup> through October 23<sup>rd</sup>. Shuttle parking will be available at two parking areas; Schnell School in Placerville and the U.S. Forest Service Placerville Ranger Station, just off Highway 50, on Eight Mile Road in Camino. The Apple Hill<sup>®</sup> Shuttle is the ideal way to visit some of El Dorado County's most popular orchards, ranches, wineries and family attractions, during the peak of the harvest season, without the headaches of traffic and parking. El Dorado Transit operates buses every 15-20 minutes from both satellite parking lots just off US 50 in Placerville and Camino. Visitors get on and off the shuttles as many times as they like at any designated Shuttle stops throughout Apple Hill<sup>®</sup>. Coordinators at the parking lots can supply visitors with maps and all the information needed to make the most of an Apple Hill<sup>®</sup> visit.

#### Directions to the Shuttle:

From Folsom/Sacramento and points west: US Highway 50 East to Placerville, Exit #48-Schnell School Road and follow the signs

From Lake Tahoe/Reno and points east: US Highway 50 West to Camino, Exit #54-Cedar Grove and follow the signs

The Apple Hill <sup>®</sup> Shuttle is sponsored by the El Dorado County Air Quality Management District, the Apple Hill Growers Association and the El Dorado County Transit Authority.

For more information on the Apple Hill<sup>®</sup> Shuttle or any of El Dorado Transits other services call (530) 642-5383 or visit us online at <a href="https://www.eldoradotransit.com">www.eldoradotransit.com</a>. ###