

# AMADOR TRANSIT BOARD OF DIRECTORS

Thursday, October 3, 2019 – 9:00 A.M.

AMADOR COUNTY TRANSPORTATION COMMISSION OFFICES - Board Room

117 Valley View Way, Sutter Creek, CA 95642

## AGENDA

In compliance with the Americans with Disabilities Act, if you are a disabled person and you need a disability-related modification or accommodation to participate in this meeting, please contact Amador Transit System staff at (209) 267-9395 or (209) 267-1462 (fax). Requests must be made as early as possible and at least one-full business day before the start of the meeting.

### PLEDGE OF ALLEGIANCE

**AGENDA:** Approval of agenda for this date. Off agenda items must be approved by the Directors, pursuant to Government Code Section 54954.2.

**PUBLIC MATTERS NOT ON THE AGENDA:** Discussion items only, no action to be taken. Any persons may address the Board at this time upon any subject within the jurisdiction of Amador Transit; however, any matter that requires action may be referred to staff and/or Committee for a report and recommendation for possible action at a subsequent Commission meeting. Please note - there is a five (5) minute limit per topic.

**CONSENT AGENDA (Items 1- 8):** Note: Items listed on the consent agenda are considered routine and may be enacted by one motion. Any item may be removed for discussion and made a part of the regular agenda at the request of a Board Member(s).

1. Board Minutes, September 2019
2. Public Routing Workshop Minutes, September 2019
3. Ridership Analysis, August 2019
4. Ridership Analysis, Amador-Sacramento Express, August 2019
5. Vehicle Maintenance Report, August 2019
6. Performance Report, August 2019
7. Budget/Expenditure Report, August 2019
8. Compliments, Complaints and Service Requests

### 9. GENERAL MANAGER REPORT (Non-Action Items):

- NONE

### REGULAR AGENDA ITEMS:

10. **RESO 19-06** Review and approve amended changes in the JPA with CalTIP(California Transit Indemnity Pool)
11. Review Solar installation quotes and approve staff recommended contractor for SHTC solar installation project
12. Discuss Upcountry route stats and impact of route modification. Provide staff direction on possible modification of schedule.

### 13. Claims

### 14. ADJOURNMENT

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**AMADOR TRANSIT (AT)**  
**MINUTES**  
**September 5, 2019 – 11:17 a.m.**

The Amador Transit Board of Directors met at the Amador County Transportation Commission (ACTC) Offices, 117 Valley View Way, Sutter Creek, California on the above date, and the following proceedings were had, to wit:

**Present on Roll Call:**

Brian Oneto, Chairman  
Dominic Atlan, Vice Chairman  
Jon Colburn  
Keith Sweet  
John Plasse  
Patrick Crew (alternate for Richard Forster)

**Also Present:**

Patricia Maggie Amarant, AT General Manager  
John Gedney, ACTC Executive Director  
Felicia Bridges, Administrative Secretary  
Dan McElhinney, Caltrans District 10 Director  
Michele Demetras, Office Chief, Caltrans District 10

**PUBLIC MATTERS NOT ON THE AGENDA:** None

**CONSENT AGENDA:**

**Motion:** It was moved by Director Plasse, seconded by Vice Chairman Atlan, and carried to approve Item 1-August 2019 Minutes.

Ayes: Oneto, Atlan, Colburn, Sweet, Plasse  
Noes: None  
Absent: None  
Abstain: Crew

**Motion:** It was moved by Director Plasse, seconded by Director Colburn, and unanimously carried to approve Items 2 through 7 on Consent Agenda.

Ayes: Oneto, Atlan, Colburn, Sweet, Plasse, Crew  
Noes: None  
Absent: None

**GENERAL MANAGER REPORT:** None

**REGULAR AGENDA:**

**Review FY 2018/19 Special Events worksheet:** Ms. Amarant reviewed her staff report. Chairman Oneto asked why the ridership to the Amador County Fair on Friday and Sunday is much lower than on Thursday and Saturday. Ms. Amarant replied possibly due to Thursday is

“children and senior’s day”, and Saturday has more events that would attract more riders than the other days. Chairman Oneto also asked if the shuttle bus for the fair aids in the transportation of individuals that are intoxicated leaving the fair, and if so, that itself may be reason to continue the shuttle for that event. He added if not, the shuttle may need to be discontinued due to the low farebox recovery rate. Ms. Amarant stated she would look into the types of riders that were utilizing the bus this year, and noted that ridership this year did increase.

Director Sweet asked what the Veterans Day bus shuttle is used for and where to. Ms. Amarant stated the service was established when the Special Events calendar was created, and it is a way to give back to the veterans to utilize to/from the Veterans Day parade. Director Sweet suggested reaching out to the American Legion to see if they would be interested in sponsoring that event shuttle.

**Resolution #19-05 for board approved AT 5310 Mobility Grant application:** Ms. Amarant reviewed her staff report.

**Motion:** It was moved by Director Plasse, seconded by Vice Chairman Atlan, and unanimously carried to approve the 5310 Grant Resolution #19-05 with revisions discussed in the Amador Transit workshop.

Ayes: Oneto, Atlan, Crew, Colburn, Sweet, Plasse  
Noes: None  
Absent: None

**CMAQ Application- Bus Purchase:** Ms. Amarant reviewed her staff report.

**Motion:** It was moved by Vice Chairman Atlan, seconded by Director Sweet, and unanimously carried to approve the CMAQ application-bus purchase of two (2) 22’ XL Hybrid buses.

Ayes: Oneto, Atlan, Crew, Colburn, Sweet, Plasse  
Noes: None  
Absent: None

**Claims:**

**Motion:** It was moved by Director Plasse, seconded by Director Crew and unanimously carried to approve the claims list.

Ayes: Oneto, Atlan, Crew, Colburn, Sweet, Plasse  
Noes: None  
Absent: None

**Adjournment:** At 11:29 a.m. the Chairman adjourned the meeting to Thursday, October 3, 2019 at 9:00 a.m. at the Amador County Transportation Commission Offices, 117 Valley View Way, Sutter Creek, California.

ATTEST:

\_\_\_\_\_  
Brian, Oneto, Chairman  
Amador Transit

\_\_\_\_\_  
Recording Secretary

Note: Copies of referenced documents are available at the AT and ACTC offices.



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**AMADOR TRANSIT (AT) PUBLIC ROUTING WORKSHOP  
MINUTES**

**September 5, 2019 – 9:07 a.m.**

The Amador Transit Board of Directors met at the Amador County Transportation Commission (ACTC) Offices, 117 Valley View Way, Sutter Creek, California on the above date, and the following proceedings were had, to wit:

**Present on Roll Call:**

Brian Oneto, Chairman  
Dominic Atlan, Vice Chairman  
Jon Colburn  
Keith Sweet  
John Plasse  
Patrick Crew (alternate for Richard Forster)

**Also Present:**

Patricia Maggie Amarant, AT General Manager  
John Gedney, ACTC Executive Director  
Felicia Bridges, Administrative Secretary  
Michele Demetras, Office Chief, Caltrans District 10

**Pledge of Allegiance**

**AGENDA:**

**Motion:** It was moved by Director Plasse, seconded by Vice Chairman Atlan, and unanimously carried to approve the agenda.

Ayes: Oneto, Atlan, Colburn, Sweet, Crew, Plasse  
Noes: None  
Absent: None

**PUBLIC MATTERS NOT ON THE AGENDA:** None

**REGULAR AGENDA:**

**Transit Route Workshop:** Ms. Amarant reviewed ridership of all routes from FY 2017/18 through FY 2018/19. She stated ridership for the last two (2) shuttles and the midday Ione route are minimal. Ms. Amarant continued to review *Table 1: Amador Transit Route Performance Measures* of the draft Triennial Performance Audit report. She stated the estimated cost savings of eliminating three (3) shuttles and the midday Ione route would be approximately \$181,456.

Helen Montes, Amador Transit rider and resident at Jackson Hills Apartments, stated she is a daily rider of the transit bus for work, medical appointments, and shopping. She expressed her concerns regarding the proposed changes to the shuttle routes, specifically, the first run on shuttle A. She continued that the changes to the first run will cause her to be late for work, and in general will cause a hardship for daily travel. Ms. Montes added the shuttles are a crucial

service within the community and understands if an increase in fares is necessary to allow the shuttles to stay in place.

Cynthia Greer, Elections Department for Amador County, expressed concern over the loss of bus routes due to the requirements of placement for a voter center and drop boxes throughout the County. She stated with changes being made, the elections department would need to change their locations as well, and stated she is looking for some direction. Director Plasse clarified that if changes are only being made to some of the runs on the fixed routes and not the elimination of the full route, then no changes should need to be made for the voter centers or drop boxes.

Director Plasse highlighted the various services that Amador Transit provides that can possibly compensate for the modifications to the routes and agreed a rate increase is needed.

Director Colburn asked what number of students take the transit bus and why? Ms. Amarant replied there were approximately 2,962 in FY 2017/18 and 3,040 in FY 2018/19 youth/students that use the transit bus due to location of their home is outside the school bus transportation range, have had issues and are not allowed to ride the school bus, or use the transit for summer events like the pool.

Linda Reedy, Amador County resident/Manager of Gold Trail Health Food Store, expressed her gratitude for the transit services/drivers, and stated she is a daily rider of the Upcountry route. She stated with the proposed changes she will miss her routes by minutes, and asked if that can be addressed. Ms. Reedy asked if there are ways that the community can assist in accumulating funding for the services, and expressed her disappointment in the possibility of the elimination of routes. She also asked why the need for the larger buses being used for the Upcountry route, with such high costs of operation.

Directors explained the funding grants they receive and how the farebox recovery ratio works. It was noted that further discussions on adjustments to the times of the shuttles could be considered to continue to make the shuttles compatible for the frequent riders. Chairman Oneto added the efforts to purchase smaller and more efficient buses are taking place.

Gwendolyn Gipson, Amador County resident/ long time Amador Transit rider, stated she is retired, living on a fixed income, and rides the bus daily for all needs. She added, the residents like herself within the community, rely on this mode of transportation as a lifeline for their needs, and to reduce or eliminate these services would hurt the community greatly. Ms. Gipson continued that with the proposed changes, there would be longer wait times in between shuttles, and would cause more difficulties for traveling from one location to another. She asked what can the community do to assist in ensuring the system would remain in place? Ms. Gipson noted she is frequently trying to reach out to seniors in attempts to get them to ride the buses more often. She even offers to teach them how to use the transit system and understand the schedules. Ms. Gibson was happy to note she did have arrangements for three (3) seniors to try out the transit with her help to see how it works.

Director Plasse emphasized there has to be give and take to accommodate the needs of the community. This may include having to schedule appointments and general outings around the bus routes, not the other way around.

Directors asked about the qualifications of Dial-A-Ride services. April Miller, AT-Mobility Manager, explained Dial-A-Ride service requirements, and noted this service is only for individuals that cannot utilize the fixed route services. Ms. Miller stated the transit system is a vital service for the community and increasing the fare from \$1.00 to \$2.00 for the shuttles could be a start to recover some of the costs.

Directors and Ms. Amarant continued discussions on the shuttle routes and the spacing between shuttles including running closer shuttle times at peak hours of travel.

Husky Kendall, Buckhorn Ridge resident/Amador Transit rider, expressed his appreciation for the services he has been receiving through AT for all medical and other necessary appointments, due to physically not being able to drive any longer, and highlighted the importance of this transportation system.

Andy O'loan, AT driver of five (5) years/Representative for all drivers for AT, and member of Upcountry Rotary Club, stated he along with the dedicated staff of AT, takes great pride in providing such a vital service to the people in the community, and wanted to show his appreciation to the AT drivers for the safe and efficient service they provide every day.

Ms. Amarant reviewed the proposed expansion of Dial-A-Ride services. Vice Chairman Atlan asked why the consideration of expansion of Dial-A-Ride services in the Pine Grove area when discussions of cutting bus routes is taking place? She responded this is an area that is in extreme need for some kind of transportation service.

Karyn Gregorious, Social Services Transportation Advisory Council Chair, asked for clarification on the idea of eliminating one run on the Ione route due to high costs, but the ability to expand the Dial-A-Ride services in the Pine Grove area, and asked if this was due to addition funding sources available for the Dial-A-Ride but not the fixed routes. Ms. Amarant replied that was accurate, and continued that the additional funding available for the expansion of Dial-A-Ride services is covered through the 5310-Mobility Management Grant only, and regular operating expenses (fixed routes/shuttles) is through the 5311-Formula Grants for Rural Area funding.

Chairman Oneto suggested looking to shorten the Upcountry route by ending at Mace Meadows or in Buckhorn, as the operating cost to drive to Amador Station is \$42.00 per trip, per passenger (one way), and the ridership does not look substantial enough to effectively keep the route that long. Ms. Amarant asked her AT driver to provide input regarding the Upcountry route. Mr. O'Loan stated the ridership on the first run of the Upcountry route is vital for those residents to get to work by 8:00 a.m. He added the ridership is usually two (2) to three (3) riders a day, and in the winter months the ridership is more caused by the inability to get their own vehicles out of the snow. Ms. Amarant noted she would provide Upcountry route ridership statistics for the area above Mace Meadows to the Board at the next meeting, and any cost savings if the route were to be shortened.

The Directors reviewed the cost per passengers for each route, and suggested rate increases on all routes could be implemented to aid in the recovery of the deficit.

Director Sweet suggested making the changes is in a two (2) step process:

- To change the routes as needed first
- Implement a rate increase in the near future

**Motion:** It was moved by Director Sweet, seconded by Vice Chairman Atlan and unanimously carried to approve the proposed Shuttle, Upcountry, Ione route service changes with potential modifications regarding fares and future route changes, as requested by board members for further discussion.

Ayes: Oneto, Atlan, Colburn, Sweet, Plasse, Crew

Noes: None

Absent: None

**Adjournment:** At 11:05 a.m. the Chairman adjourned the Amador Transit Public Routing Workshop.

\_\_\_\_\_  
Brian, Oneto, Chairman

ATTEST:

Amador Transit

\_\_\_\_\_  
Recording Secretary

Note: Copies of referenced documents are available at the AT and ACTC offices.

## SERVICE SUMMARY

AUGUST 2019

FY 19/20	Service Days
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22

Sacramento	750
Upcountry	532
Plymouth	465
A - Shuttles 5-1 - 5-7	1,022
B - Shuttles 6-1 - 6-7	939
lone	469
Dial-A-Ride	1,737
Logisticare	24
Special Events	-

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**TOTAL PASSENGERS** 5,938
**AV. DAILY** 270**ADULT** 1,777**SENIOR** 670**PERSONS W/DISABILITIES** 2,811**YOUTH** 249**Non-Revenue-PCA** 267**Non-Revenue - Child** 40**Non-Revenue - Family Pass** 100

Wheelchair 422

Bicycles 116

**FARES PAID BY MONTH/DAY PASS**

Monthly Pass 1,106

\$6 Day Passes Trips 137

\$6 Day Passes Sold 40

**Cash Fares** \$3,554.11**FARES PAID BY PRE-PAID TICKETS**

Pre-Paid Tix .50¢

Pre-Paid Tix \$1.00 1,277

Pre-Paid Tix \$1.25 -

Pre-Paid Tix \$1.50 64

Pre-Paid Tix \$2.00 113

Pre-Paid Tix \$2.50 -

Pre-Paid Tix \$3.00 143

Pre-Paid Tix \$4.00 36

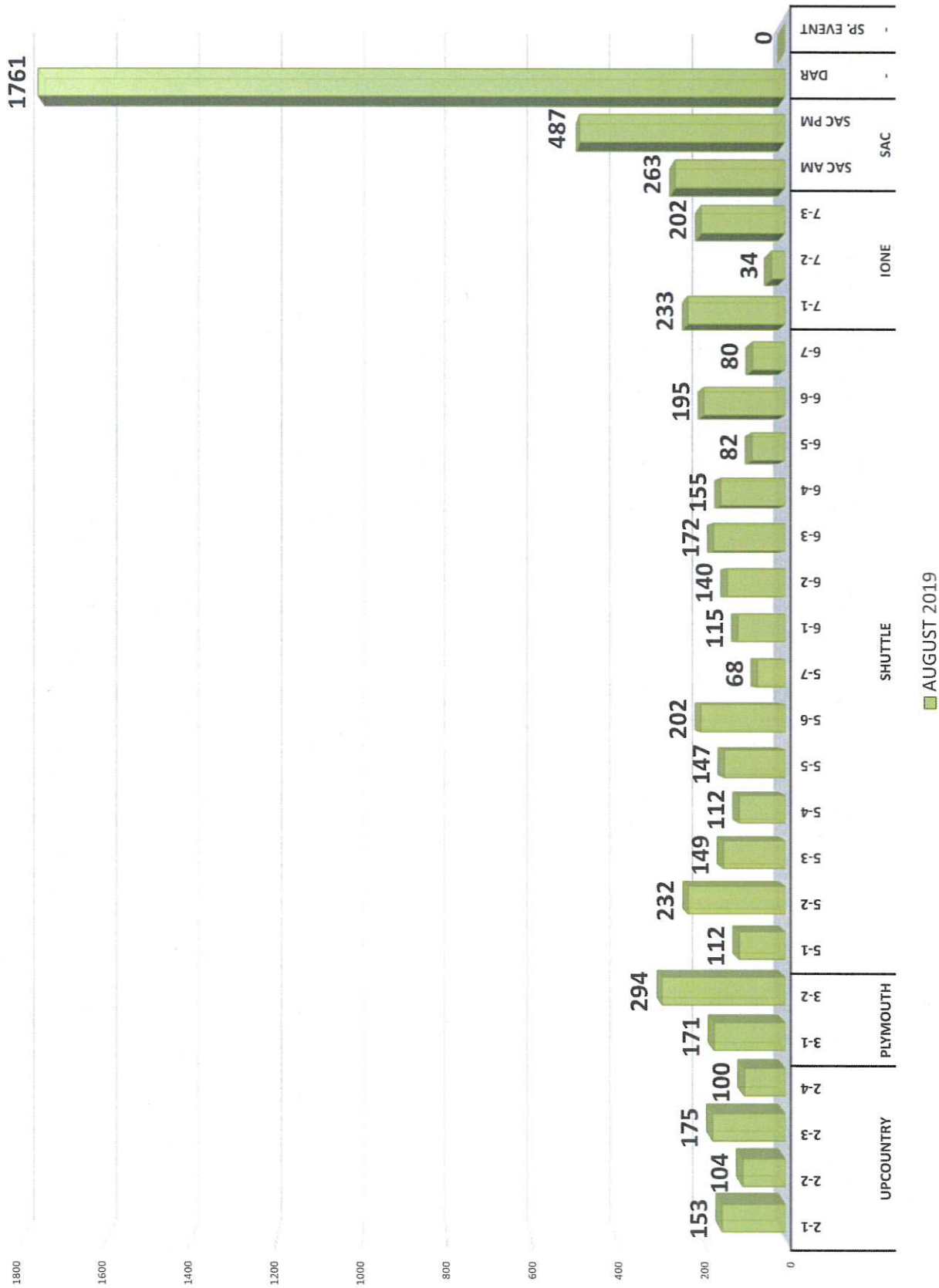
Pre-Paid Tix \$7.00 36

**Mileage**

Revenue miles 25,103

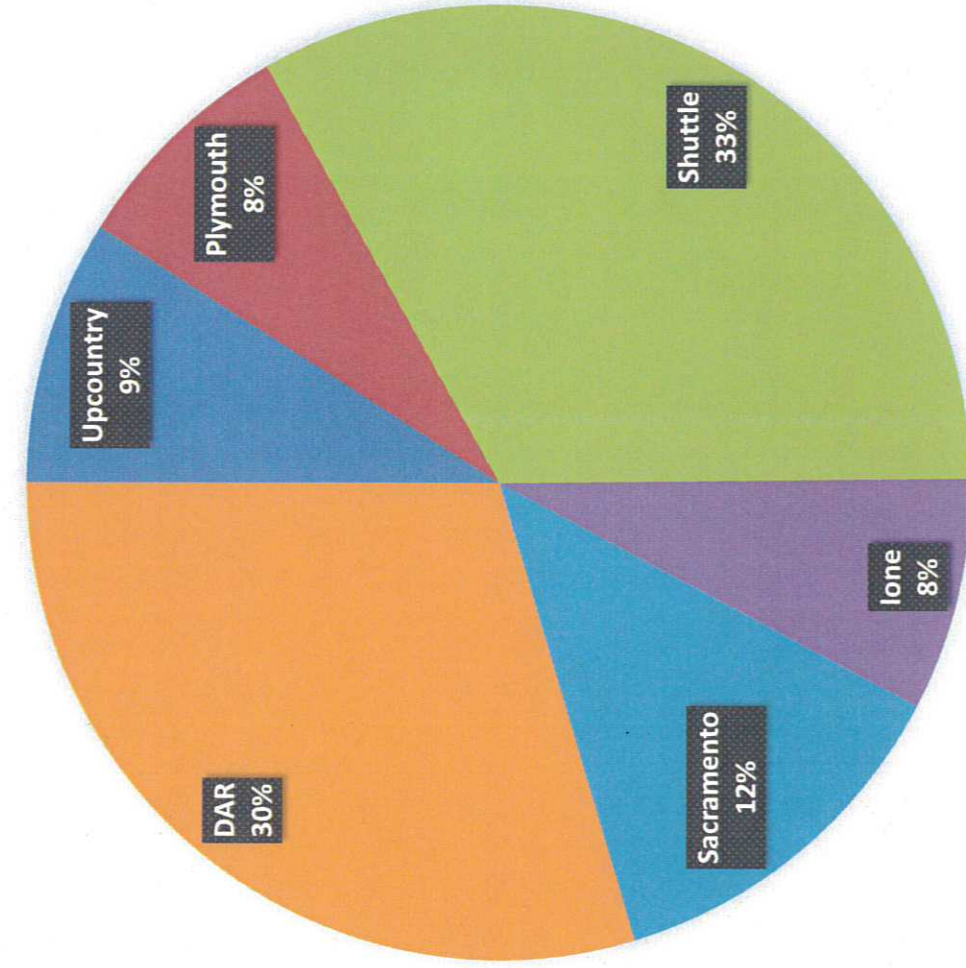
Non-Revenue miles 1,732

# AUGUST 2019





AUGUST 2019

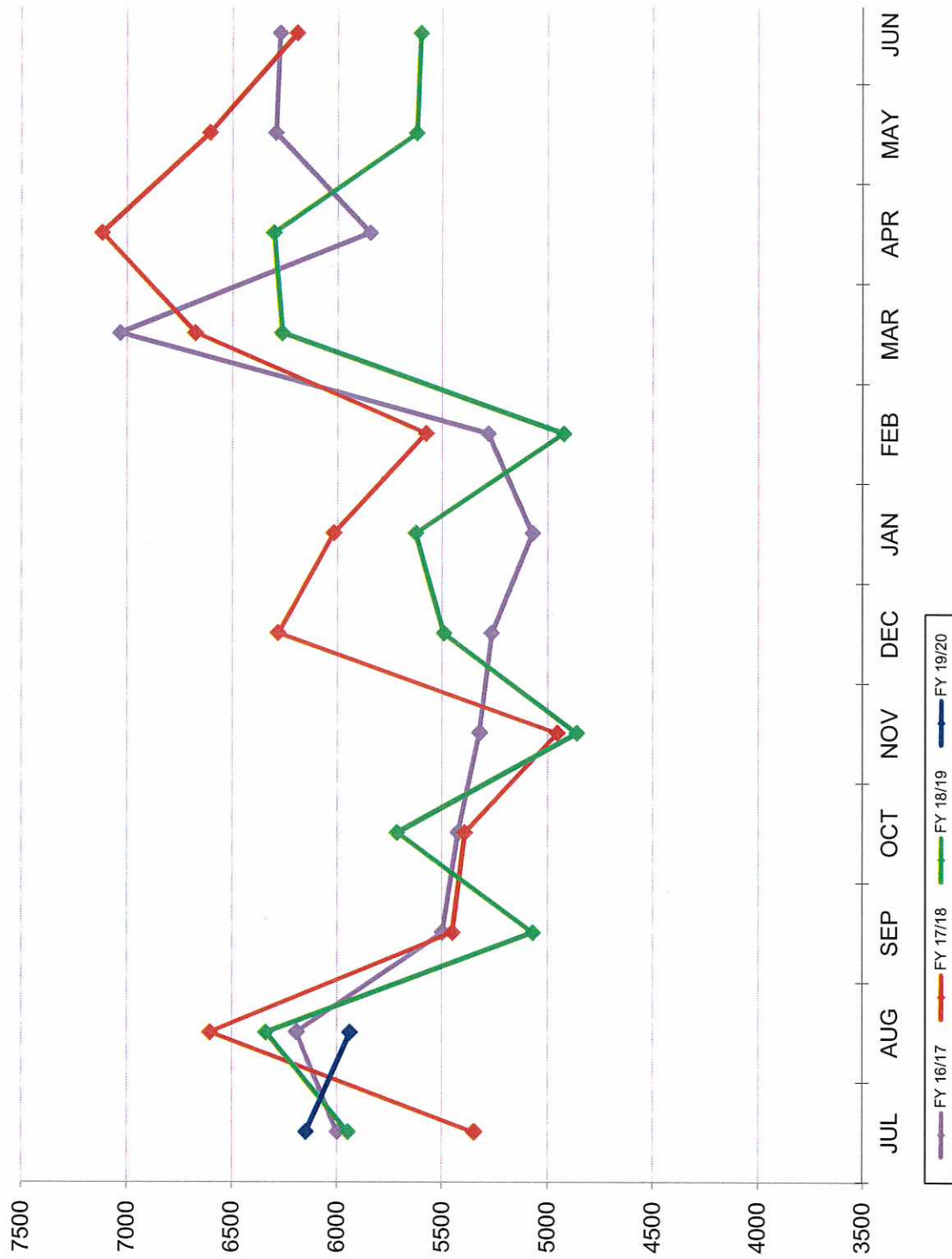


Upcountry	2-1	153
	2-2	104
	2-3	175
	2-4	100
Plymouth	3-1	171
	3-2	294
Shuttle	5-1	112
	5-2	232
	5-3	149
	5-4	112
	5-5	147
	5-6	202
	5-7	68
	6-1	115
	6-2	140
	6-3	172
	6-4	155
	6-5	82
	6-6	195
	6-7	80
Lone	7-1	233
	7-2	34
	7-3	202
Sac	Sac AM	263
	Sac PM	487
-	DAR	1761
-	Sp. Event	0
	Total	5938

RIDERSHIP ANALYSIS  
AUGUST 2019

AMADOR TRANSIT  
FISCAL YEAR 2019/2020

# PASSENGERS



AUGUST

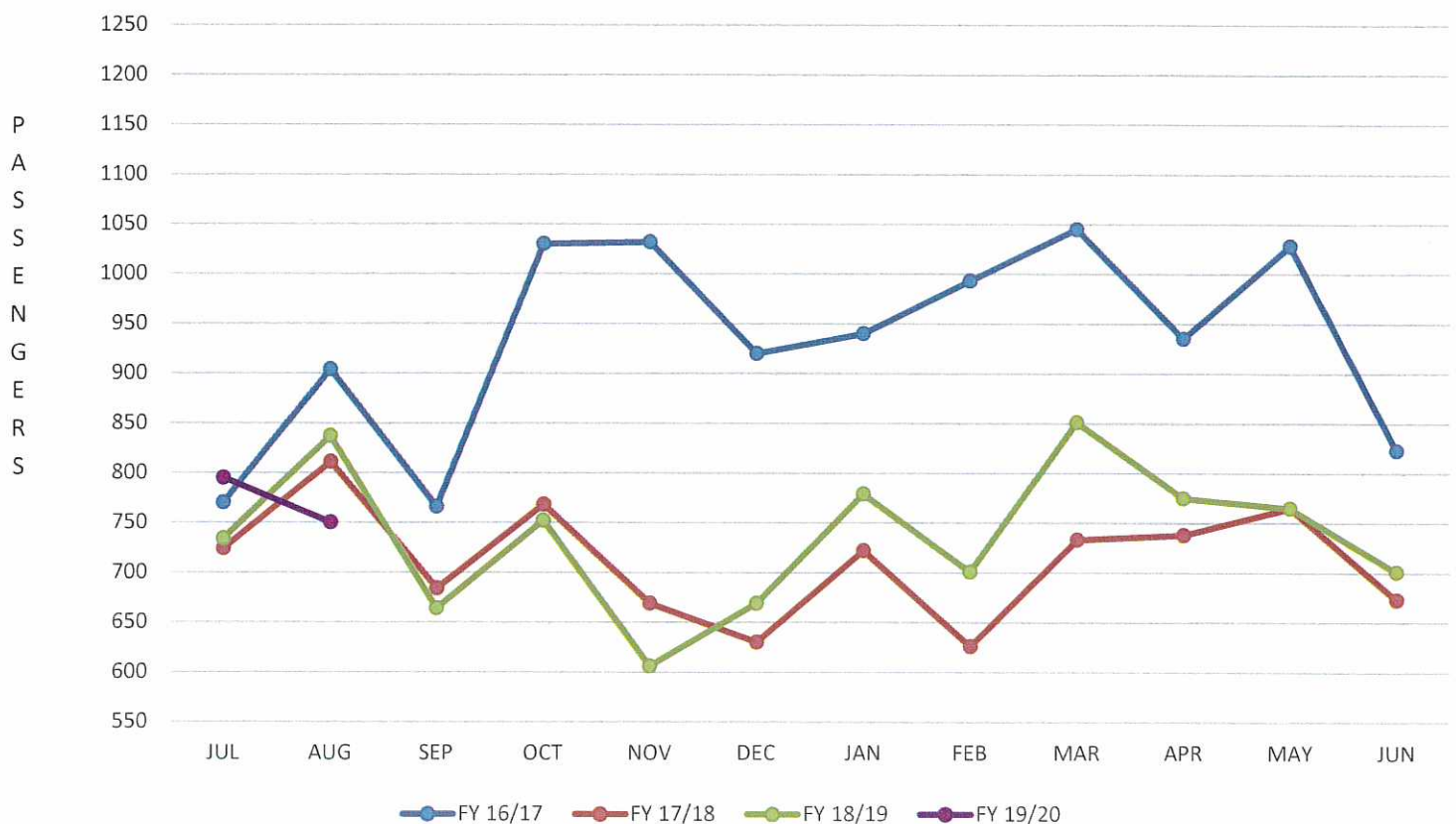
% Change from  
FY 18/19

-6.3%



## AMADOR-SACRAMENTO EXPRESS

MONTH	11 AMADOR/SAC		12 AMADOR/SAC		TOTAL
September 2018	117	232	120	195	664
October 2018	119	264	140	229	752
November 2018	89	204	112	201	606
December 2018	97	228	132	212	669
January 2019	112	278	119	269	778
February 2019	101	239	119	242	701
March 2019	141	302	130	275	848
April 2019	118	258	128	271	775
May 2019	123	255	129	253	760
June 2019	120	227	116	238	701
July 2019	130	251	142	272	795
August 2019	117	236	146	251	750
Average Pass/day Month of AUG 2019(22sd)	5.3	10.7	6.6	11.4	34.1



VEHICLE DESCRIPTION *Automatic tire chains	Odometer reading as of 8/31/2019	REPAIR HOURS	Dates	Maintenance Performed for Month of AUGUST 2019 Jobs Exceeding \$150 performed since July 2015 (in Gray) FY 2018/2019	Cost for Month Of AUGUST	July 2015 to date CUMULATIVE COST
TRK #101 (gas)	134,368					
04 Chev Suburban	ODO					
6-passenger	***					
NON-REVENUE VH						
Mileage for the Month	702					
			06 - 2019	Replaced left corner window glass doctor invoice # 102728	\$0.00	
			01 - 2019	Replaced Water pump, thermostat AC belt, and main belt, 1 Gallon of Coolant	\$527.23	
			10 - 2015	Replace 4 tires, 225/75/R16. 4 TPS, turned front rotors, alignment	\$162.73	
			09 - 2015	Replaced alternator	\$1,143.00	
					\$151.00	\$1,983.96
TRK #102 (gas)	19,125					
14 F450 4x4	ODO					
3-passenger	***					
NON-REVENUE VH						
Mileage for the Month	165					
			02 - 2019	Replaced 2 batteries and took to car wash	\$0.00	
			12 - 2018	6 Tires 225/70r/19.5	\$226.52	
			12 - 2018	1 Steer steel wheel White	\$2,619.15	
					\$171.12	\$3,016.79
TRK #103 (gas)	100,920					
1998 Ford Ranger	ODO					
3-passenger	***					
NON-REVENUE VH						
Mileage for the month	0					
			06 - 2018	4 tires 205/75/14R and Alignment	\$0.00	
			07 - 2015	July 8 - 4 siped 205/75/R14 \$570	\$370.17	
					\$570.00	\$940.17



VEHICLE DESCRIPTION *Automatic tire chains	Odometer reading as of 8/31/2019	REPAIR HOURS	Dates	Maintenance Performed for Month of AUGUST 2019 Jobs Exceeding \$150 performed since July 2015 (in Gray) FY 2018/2019	Cost for Month Of AUGUST	July 2015 to date CUMULATIVE COST
Bus #301 Diesel	88,412	3.00	08 - 2019	PM - A Service	\$0.00	
13 Chevrolet	ODO	0.20	08 - 2019	2 Flip seat shocks	\$52.07	
16-passenger 3 w/c	***	0.15	08 - 2019	3.6 Gallons of DEF	\$10.40	
Mileage for the Month	1,672					
			06 - 2019	Derated Hahns replaced catalyst convertor and DEF & #9 injector Invoice #J045779	\$62.47	
			05 - 2019	2 Steer tires 225/75r/16	\$320.20	
			02 - 2019	R&R belt, tensioner and 3 pulleys	\$3,991.11	
			01 - 2019	R&R Transmission	\$249.25	
			01 - 2019	Hahns programed Trannssions Invoice # Jo45231	\$2,639.88	
			10 - 2018	Replaced Hydraulic brake booster, Test drove	\$267.00	
			09 - 2018	A Arm bushings and Alignment Invoice #87394 Hewitt	\$181.07	
			08 - 2018	Drive tires, ARD242550	\$388.95	
			08 - 2018	Steer tires	\$898.86	
			07 - 2017	Replace steering & drive tires. S 225/75/R16	\$550.72	
			03 - 2017	repair to driver side step	\$1,432.49	
			03 - 2017	replaced w/c lift outer roll stop cylinder, and adjusted	\$415.00	
			03 - 2016	Replaced Steer tires	\$268.71	
					\$409.00	\$12,074.71

VEHICLE DESCRIPTION *Automatic tire chains	Odometer reading as of 8/31/2019	REPAIR HOURS	Dates	Maintenance Performed for Month of AUGUST 2019 Jobs Exceeding \$150 performed since July 2015 (in Gray) FY 2018/2019	Cost for Month Of AUGUST	July 2015 to date CUMULATIVE COST
Bus #302 Diesel	88,984	3.00	08 - 2019	PM - B Service	\$43.20	
13 Chevrolet	ODO	0.00	08 - 2019	IN SERVICE	\$0.00	
16-passenger 3 w/c	***	0.00	08 - 2019	Out of Service Towed to Maita chevy Invoice # 31758	\$1,031.25	
Mileage for the Month	1,245	0	08 - 2019	IN SERVICE Maita Diagnosed and replaced glow plug module and 4 glow plugs	\$1,149.93	
		0.25	08 - 2019	4.2 Gallons of DEF	\$12.14	
					\$2,236.52	
			05 - 2019	Hahns diagnosed parking brake light on no turn signals Invoice# J045738	\$1,257.25	
			05 - 2019	Amador Transit supplied the BCM part to Hahns	\$180.29	
			04 - 2019	Brake Hydro Booster	\$191.14	
			03 - 2019	Drive Tires 225/75R/16	\$843.96	
			02 - 2019	Right low beam headlight	\$914.00	
			11 - 2018	Replaced Transmission, oil dipstick tube, main belt, idler pulleys. Tensioner	\$3,158.24	
			11 - 2018	Hahns re-program computer to transmission invoice # JO44793	\$267.00	
			09 - 2018	Front and Rear Shocks	\$185.36	
			09 - 2018	Control Arm bushing and Alignment invoice #87382 Hewitt	\$454.68	
			05 - 2018	STEER TIRES 225/75R 16 HT	\$475.50	
			09 - 2017	REAR TIRES 225/75R16 BACK COUNTRY AT	\$898.86	
			05 - 2016	sent to Maita Chevy for electrical short repair	\$1,105.00	
			01 - 2016	Hydraulic booster	\$167.00	
			10 - 2015	Replaced drive tires 225/75R16 back country	\$852.00	
			03 - 2016	Replaced Steer tires	\$409.00	\$13,595.80

VEHICLE DESCRIPTION *Automatic tire chains	Odometer reading as of 8/31/2019	REPAIR HOURS	Dates	Jobs Exceeding \$150 performed since July 2015 (in Gray) 2018/2019	Maintenance Performed for Month of AUGUST 2019 FY	Cost for Month Of AUGUST	July 2015 to date CUMULATIVE COST
Bus #401 Diesel	162,147	0.02	08 - 2019	Exhaust Pipe Hanger		\$4.79	
13 Chevrolet	ODO	0.00	08 - 2019	Towed from Medical Center Jackson to AT shop ATF invoice # 26930		\$550.00	
16-passenger 3 w/c	***						
Mileage for the Month	1,781						
						\$554.79	
			07 - 2019	R&R Steer tires 225/75/19		\$320.20	
			01 - 2019	Front and Rear shocks		\$185.36	
			10 - 2018	Maita chevy DEF tank replacement. Invoice # 599559		\$500.00	
			09 - 2018	Maita repaired emission system Invoice #597652 reconnected plug to door		\$1,827.90	
			08 - 2018	Steer tires 225/75/R16 Back Country		\$550.72	
			07 - 2018	Maita repair invoice # 595263 replaced indirect injector and did regen		\$1,492.49	
			05 - 2018	4 225/75R16 BACK COUNTRY AT		\$898.86	
			05 - 2018	R&R POWER STEERING HOSE AND BOX HOUSING		\$185.60	
			03 - 2018	Rear end Rebuilt K&T Truck invoice #4620 Maintenance transported bus		\$4,253.08	
			03 - 2018	poor quality DEF. 10 codes sent to Maita. Replaced NOX Sensor. Inv 58686		\$1,587.90	
			03 - 2018	replaced left head light asy.		\$231.00	
			12 - 2017	REAR BRAKE JOB AND REPLACED LEFT PARKING BRAKE SHOES		\$266.65	
			12 - 2017	INVOICE # 582587 FROM MAITA DERATING QUALITY POOR. R&R DEF TANK		\$1,316.69	
			10 - 2017	TA OPEN COUNTRY HT 255/75/16		\$477.63	
			10 - 2017	RADIATOR, AIR FILTER, DEXCOOL, HYDRO BOOSTER, POWER STEERING		757.13	
			06 - 2017	drive tires		\$924.27	
			05 - 2017	Replaced w/c lift outer roll stop cylinder		\$268.72	
			04 - 2017	Replace front brake pads and rotors		\$280.64	
			04 - 2017	Replace front right hub and wheel speed sensor		\$280.94	
			03 - 2017	replaced driver convex mirror		\$167.00	
			02 - 2017	Steer tires, siped 225/75/16		\$451.00	
			01 - 2017	Replaced parking brake shoes, right brake rotor		\$190.00	
			01 - 2017	Maita replaced ring pinion, rear bearing to differential. INV #563195		\$2,741.00	
			12 - 2016	Right and Left upper control arms replaced		\$423.00	
			09 - 2016	2 steer s & 4 back country rear tires		\$1,338.00	
			05 - 2016	Replaced front and rear brake pads, right rear rotor, axle shaft seal, bearing and fluid		\$198.00	
			04 - 2016	Steer tires, 255/75/r16		\$409.00	
			11 - 2015	NOV 20 - Replaced brake hydro booster \$167		\$167.00	
			10 - 2015	OCT 1 - 6 225/75/R16 Back Country Tires \$1228.12		\$1,228.00	
			10 - 2015	OCT 1 - Replaced AUX and Main Batteries \$203.54		\$203.00	
			07 - 2015	July 17 - Steer tires 255/75/R16 \$470		\$470.00	
			07 - 2015	July 22 - Replaced front brake rotors and pads, bled brakes, test drove \$249		\$249.00	
							\$25,394.57



VEHICLE DESCRIPTION *Automatic tire chains	Odometer reading as of 8/31/2019	REPAIR HOURS	Dates	Maintenance Performed for Month of AUGUST 2019 Jobs Exceeding \$150 performed since July 2015 (in Gray) FY 2018/2019	Cost for Month Of AUGUST	July 2015 to-date CUMULATIVE COST
Bus #402 Diesel	148,001	1.00	08 - 2019	Installed 2 new steer tires, puncture in left not repairable	\$640.40	
13 Chevrolet	ODO	0.15	08 - 2019	3.5 Gallons of DEF	\$9.80	
16-passenger 3 w/c	***					
Mileage for month	2,215					
						\$650.20
04 - 2019				Right steer tire 225/75/16	\$165.45	
04 - 2019				Rebuilt rear DIF, Repaired DEF and Regened Maiba	\$2,836.44	
03 - 2019				Rear axle trouble shoot, bearings, flanges, brake shoes seals etc	\$150.53	
03 - 2019				Trouble shoot engine derations code replaced reduction heater	\$203.60	
03 - 2019				Hahns clears code and regenerate particulate burn off	\$168.75	
03 - 2019				Particulate Re Gen Invoice # JO45475 Hahns	\$168.75	
12 - 2018				Body repair. End cap and left fenders Invoice # 10664	\$1,439.14	
12 - 2018				Left and right fenders Invoice # 10665	\$2,510.54	
09 - 2018				Front and Rear KYB shocks. WC lift inspection	\$185.36	
07 - 2018				Replaced steer and drive tires. s	\$1,415.28	
07 - 2018				Front brake pads and rotors	\$193.71	
06 - 2018				Rear Brake pads, Rotors, seals, Fluids, Parking brake adjustment	\$292.97	
01 - 2018				REPLACED BRAKE HYDRO BOOSTER	\$186.78	
10 - 2017				4 DRIVE TIRED S	\$950.86	
07 - 2017				2 steering open country 's 225/75/r16	\$412.21	
12 - 2016				Replaced 2 steer tires, 4 drive tires	\$1,285.00	
10 - 2016				New power steering pump and drive belt installed	\$259.00	
07 - 2016				Accumulator, p/s hose, a/c compressor seals filter, radiator and horn	\$688.00	
03 - 2016				Replaced steer and Drive tires.	\$1,228.00	
12 - 2015				Replaced brake hydro booster. Added fluid	\$167.00	
07 - 2015				Replaced drive tires 255/75/R16 siped	\$912.00	
						\$16,469.57

VEHICLE DESCRIPTION *Automatic tire chains	Odometer reading as of 8/31/2019	REPAIR HOURS	Dates	Maintenance Performed for Month of AUGUST 2019 Jobs Exceeding \$150 performed since July 2015 (in Gray) FY 2018/2019	Cost for Month Of AUGUST	July 2015 to-date CUMULATIVE COST
Bus #403 Diesel	132,108	3.50	08 - 2019	PM-A Service & Repaired arm to stop bolt on the on spot chains	\$0.00	
13 Chevrolet	ODO	3.00	08 - 2019	Lift Inop trouble shoot found bad outer roll stop wire assey. Replaced	\$88.09	
16-passenger 3 w/c	***	0.00	08 - 2019	Transmission code Maita Invoice # 616707 Faulty wire to DEF injector	\$702.51	
Mileage for month	1,463					
					\$790.60	
			07 - 2019	Evacuated AC system R&R AC Comp Recharged system	\$240.82	
			07 - 2019	Quality poor Diagnosed and repaired Invoice# 614991 Maita chevy	\$1,630.66	
			06 - 2019	Transmission re programming and diagnose de rating temp sensor 2	\$589.74	
			06 - 2019	Hand Control pendent	\$259.63	
			06 - 2019	Hand Control pendent	\$259.63	
			05 - 2019	Maita invoice #610365 rebuilt rear Diff & adjusted parking brake	\$2,821.50	
			04 - 2019	R&R Alternator and belt	\$500.48	
			04 - 2019	replaced L shape metal heater hose for the rear heater	\$116.45	
			03 - 2019	R&R Steering gear box and idler arm left side, test drove	\$531.07	
			12 - 2018	4 Drive tires back cuntry AT 225/75R-16	\$843.96	
			11 - 2018	R&R AC comp, orifice seals, pullys, tensioner, belt, filter, oil	\$706.01	
			10 - 2018	Replaced brake pads, rotors, brake shoes, gear old, brake fluid	\$499.88	
			10 - 2018	Parking brake adjustment Hahns invoice # J044660	\$309.30	
			09 - 2018	Replaced control arm bushing and Alignment invoice #87419	\$348.95	
			07 - 2018	Front and rear shocks	\$185.36	
			07 - 2018	2 225/75/r16 HT Steer tires	\$477.65	
			05 - 2018	MAITA DIAGNOSIS R&R NOX 2 REGEN INVOICE # 590257	\$1,347.90	
			02 - 2018	road call to highway 88 E of lone bus towed in by ATR	\$375.00	
			01 - 2018	REPLACED DRIVER TIRES 225/75/16	\$898.86	
			12 - 2017	STEER TIRES	\$477.36	
			08 - 2017	EGR REPAIR WARRANTY	\$160.30	
			03 - 2017	Drive tires, S HT, siped, balance, 225/75/R16	\$922.67	
			03 - 2017	Maita Chevy repairs, invoice #56685	\$302.67	
			03 - 2017	R&R tensioner belt	\$184.75	
			12 - 2016	PM inspection, service. W/C lift outer roof-stop cylinder replaced	\$271.00	
			12 - 2016	Replaced fan clutch, radiator 2 PS hoses, belt	\$774.00	
			09 - 2016	2 steer tires s, not siped	\$449.00	
			03 - 2016	Replaced Drive Tires	\$819.00	
			11 - 2015	Brake hydronic booster	\$256.00	
			09 - 2015	Steer tires 225/75/R16T's from stock	\$454.00	\$18,804.20



VEHICLE DESCRIPTION *Automatic tire chains	Odometer reading as of 8/31/2019	REPAIR HOURS	Dates	Maintenance Performed for Month of AUGUST 2019 Jobs Exceeding \$150 performed since July 2015 (in Gray) FY 2018/2019	Cost for Month Of AUGUST	July 2015 to-date CUMULATIVE COST
Bus #404 Diesel	144,992	0.05	08 - 2019	Checked plug found #1 and #3 melted R&R repaired	\$26.63	
13 Chevrolet	ODO	1.50	08 - 2019	Lift out roll stop inop Adjusted micro switch tested and works	\$0.00	
16-passenger 3 w/c	***	0.15	08 - 2019	3.5 gallons of DEF	\$10.12	
Mileage for the month	2,257					
						\$36.75
			07 - 2019	R&R Steer tires 225/75R16	\$320.20	
			07 - 2019	Programmed ECM Replaced NOX Sensor #2 Hahns Inv# J046049	\$1,278.35	
			05 - 2019	Drive tires 225/75/16	\$640.40	
			04 - 2019	R&R steering box 2 nuts and fluid	\$468.26	
			04 - 2019	Replaced windshield glass doc invoice # 101596	\$374.70	
			03 - 2019	R&R Reductant Heater	\$203.60	
			01 - 2019	R&R Transmission 4 qts of ATF	\$2,783.99	
			01 - 2019	Hahns invoice # jo45076 Programed ECM for Transmission	\$267.00	
			01 - 2019	Air filter, belt, idler pulleys and tensioner	\$262.25	
			01 - 2019	R&R Starter	\$214.16	
			01 - 2019	Recharged AC System	\$262.25	
			12 - 2018	Replaced upper rear top end cap Stymeist Invoice # 10240	\$1,511.17	
			12 - 2018	Out of Service Transmission bad, Hahns Diagnostic Inv # J044996	\$261.81	
			11 - 2018	DIF, Inspection chevy Maita invoice # 6010177	\$540.00	
			09 - 2018	Replaced lower ball joint and Alignment Invoice # 87406 Hewitt	\$283.90	
			08 - 2018	Cooling system repairs by Maita Invoice # 595884	\$880.00	
			04 - 2018	4 DRIVE TIRES	\$951.00	
			02 - 2018	AIR FILTER HOUSING	\$302.22	
			12 - 2017	REAR DIFFERENTIAL REBUILT PERFORMANCE CHEVY INV # C46146	\$2,178.00	
			09 - 2017	REPLACE DEF INJECTOR AND EXHAUST BURNOFF	\$590.65	
			08 - 2017	PERFORMANCE CHEVY, AIR FILTER	\$241.87	
			07 - 2017	Drive tires, 225/75/R16	\$1,101.38	
			07 - 2017	Steer tires 225/75/R16 's HT	\$412.21	
			04 - 2017	New front brake pads and new brake boosters	\$300.29	
			03 - 2017	Replace left headlamp	\$231.01	
			02 - 2017	Steer tires 225/75/R16	\$451.00	
			09 - 2016	4 back country tires, back country HT	\$836.00	
			09 - 2016	2 b ack country HT steer tires	\$418.00	
			07 - 2016	Main and AUX Batteries	\$203.00	
			07 - 2016	Hahn's auto replace radiator and p/s hose/hydroboost, labor	\$893.00	
			07 - 2016	Radiator, and p/s hose. Supplied own parts	\$384.00	
			04 - 2016	replaced rear brake pads, left rotor	\$159.00	
			04 - 2016	replaced upper control arm bushings	\$298.00	
			11 - 2015	NOV 3 - 225/75/R16 Back Country \$819	\$819.00	
			07 - 2015	July 14 - Replaced steer tires 255/75R16 siped from stock \$454.04	\$454.00	
			04 - 2016	throttle body, gaskets	\$292.00	
			12 - 2015	Replaced MAF sensor, test drove	\$150.00	
			11 - 2015	Replaced 10 spark plugs and 10 coils with OEM parts	\$546.00	
			08 - 2015	Replaced radiator, water pump, belt, belt tensioner, idler pully, and bearings	\$254.00	
			07 - 2015	Replaced steer tires 255/75/R16	\$454.00	\$23,508.42

VEHICLE DESCRIPTION *Automatic tire chains	Odometer reading as of 8/31/2019	REPAIR HOURS	Dates	Maintenance Performed for Month of AUGUST 2019 Jobs Exceeding \$150 performed since July 2015 (in Gray) FY 2018/2019	Cost for Month Of AUGUST	July 2015 to-date CUMULATIVE COST
*Bus #405 (gas)	216,670	3.00	08 - 2019	PM- B Service	\$32.79	
09 Ford	ODO	2.50	08 - 2019	Replaced AC blower motor assy	\$135.00	
16-passenger 2 w/c	***	0.50	08 - 2019	Wiper washer fluid not working replaced Y connector	\$0.00	
Mileage for the Month	1,626					
					\$167.79	
			07 - 2019	4 Drive Tires 225/75/16	\$640.40	
			07 - 2019	R&R Drivers seat	\$1,068.39	
			01 - 2019	Air filter housing	\$169.20	
			01 - 2019	Front rotors, sway bar bushings shocks, breaks, fog light switch	\$504.67	
			01 - 2019	Rear shocks, rear sway bar bushings,adjusted telma brake switch	\$158.42	
			10 - 2018	Replaced front AC compressor. Test drove 20 miles	\$375.09	
			09 - 2018	2 HT siped. 4 Back country AT tires	\$1,386.58	
			08 - 2018	Hahns, engine replaced Invoice # J044327	\$7,869.18	
			07 - 2018	engine running rough and using coolant.repairs by hahns INV J044186	\$1,547.02	
			02 - 2018	Hahns enigne repair blown spark plug invoice# J043231 replaced box wires etc	\$541.97	
			08 - 2017	REPLACED ALTERNATOR AND PIG TAIL, REPLACED RUBBER GROMMET	\$329.41	
			07 - 2017	replaced radiator 2 spark plugs coils and a heater hose	\$786.09	
			06 - 2017	Steer and Drive tires	\$1,375.49	
			06 - 2017	Replaced rear A/C compressor and repaired heater hose coolant leak	\$256.44	
			05 - 2017	Throttle Body repair by ron dupratt ford	\$210.00	
			09 - 2016	drive tires, 4 back country AT	\$836.00	
			08 - 2016	Steer tires	\$488.00	
			08 - 2016	Replaced alternator, EMF Sheild on TPS and TPS wire harness and EMS tape	\$425.00	
			08 - 2016	road call to fuel card lock,alternator bearings failed, bus towed to shop	\$400.00	
			04 - 2016	Hahn's repairs, invoice #34105	\$3,516.00	
			04 - 2016	throttle body, gaskets	\$292.00	
			12 - 2015	Replaced MAF sensor, test drove	\$150.00	
			11 - 2015	Replaced 10 spark plugs and 10 coils with OEM parts	\$546.00	
			08 - 2015	Replaced radiator, water pump, belt, belt tensioner, idler pully, and bearings	\$254.00	
			07 - 2015	Replaced steer tires 255/75/R16	\$454.00	
			07 - 2015	July 14 - Replaced steer tires 255/75R16 siped from stock \$454.04	\$454.00	
			04 - 2016	throttle body, gaskets	\$292.00	
			12 - 2015	Replaced MAF sensor, test drove	\$150.00	
			11 - 2015	Replaced 10 spark plugs and 10 coils with OEM parts	\$546.00	
			08 - 2015	Replaced radiator, water pump, belt, belt tensioner, idler pully, and bearings	\$254.00	
			07 - 2015	Replaced steer tires 255/75/R16	\$454.00	
						\$26,897.14

VEHICLE DESCRIPTION *Automatic tire chains	Odometer reading as of 8/31/2019	REPAIR HOURS	Dates	Maintenance Performed for Month of AUGUST 2019 Jobs Exceeding \$150 performed since July 2015 (in Gray) FY 2018/2019	Cost for Month Of AUGUST	July 2015 to-date CUMULATIVE COST
Bus #503 (diesel)	123,400	3.00	08 - 2019	PM-A Service	\$0.00	
2014 Chevy Glaval	ODO	0.15	08 - 2019	4 Gallons of DEF	\$11.56	
	***					
Mileage for the Month	2,060					
						\$11.56
06 - 2019				Replaced belt tensioner	\$170.38	
11 - 2018				Invoice # 22330 davis truck painting top right corner cap repair	\$2,255.42	
08 - 2018				225/70/22.5 Invoice # 66200229266	\$870.35	
07 - 2018				Horn inop. Removed steering column replaced upper steering shaft	\$751.08	
06 - 2018				Rear AC compressor	\$379.20	
12 - 2017				STEER TIRES 255/70/R22.5	\$857.75	
10 - 2017					\$2,182.38	
07 - 2017				Front a/c compressor	\$184.53	
06 - 2017				Drive Tires	\$1,173.52	
02 - 2017				2 steer tires, 4 retread	\$1,839.00	
05 - 2016				replaced coolant surge tank	\$189.00	
04 - 2016				4 drive tires, 255/70/r22.5 recap	\$921.00	
07 - 2015				255/70/R22.5 Drive tires recaped	\$954.00	\$12,739.17

VEHICLE DESCRIPTION *Automatic tire chains	Odometer reading as of 8/31/2019	REPAIR HOURS	Dates	Maintenance Performed for Month of AUGUST 2019 Jobs Exceeding \$150 performed since July 2015 (in Gray) FY 2018/2019	Cost for Month Of AUGUST	July 2015 to-date CUMULATIVE COST
Bus #504 (diesel)	128,855	3.00	08 - 2019	PM-B Service	\$64.30	
2014 Chevy Glaval	ODO	0.00	08 - 2019	HVAC blower motor Inop OUT OF SERVICE	\$0.00	
	***	0.00	08 - 2019	in service Delta freightliner elect melt down to hvac inv #F00895372:01	\$647.04	
Mileage for the Month	1,803	1.00	08 - 2019	R&R Blower motor and Harness	\$128.02	
	1,179	4.00	08 - 2019	Rear AC compressor bad. Replaced and recharged	\$383.00	
<hr/>						
06 - 2019				Replaced rear suspension right and left air ride Ballards	\$1,222.36	
04 - 2019				R&R brake hydro booster power steering filter and gasket	\$203.43	
02 - 2019				Rear tires recap 255/70/22.5	\$409.96	
12 - 2018				Steer tires 255/70r/22.5	\$726.92	
12 - 2018				Battery Tray	\$934.35	
10 - 2018				Master brake cylinder brake Fluid.	\$580.00	
10 - 2018				Brake warning light on, sent to Delta truck. Invoice # R00811775:1	\$520.04	
12 - 2017				WINDSHIELD	\$601.23	
12 - 2017				TURBO ASSIST. DELTA FREIGHTLINGER REPAIR	\$182.12	
09 - 2017				DELTA TRUCK DIAGNOSED AND REPLACED CRANKCASE BREATHER FILTER	\$2,378.55	
06 - 2017				Fron and rear tires, 255/722.5	\$538.60	
01 - 2017				Diagnostic check engine light, replaced batteries	\$1,879.53	
09 - 2016				Replaced left inside drive tire. Unrepairable damage	\$150.00	
08 - 2016				Steer tires	\$182.00	
08 - 2016				drive tires, recap-prepaid	\$891.67	
06 - 2016				2 group 31 batteries	\$776.33	
02 - 2016				s Steer tires, 255/70/R22.5 Siped	\$359.00	
02 - 2016				Recapped drive tires 255/70r22.5 from stock, mounted/balanced/stems rblt	\$890.00	
					\$776.00	\$14,202.09





VEHICLE DESCRIPTION *Automatic tire chains	Odometer reading as of 8/31/2019	REPAIR HOURS	Dates	Maintenance Performed for Month of AUGUST 2019 Jobs Exceeding \$150 performed since July 2015 (in Gray) FY 2018/2019	Cost for Month Of AUGUST	July 2015 to-date CUMULATIVE COST
Bus #506 (diesel)	26,927	3.00	08 - 2019	PM -A Service & Air Filter	\$43.00	
2017 FREIGHTLINER	ODO	0.15	08 - 2019	4.5 Gallons of DEF	\$13.01	
	***	0.15	08 - 2019	4 Gallons of DEF	\$11.56	
Mileage for The Month	1,939	0.15	08 - 2019	4 Gallons of DEF	\$11.56	
		0.15	08 - 2019	2.2 Gallons of DEF	\$6.36	
			07 - 2019	R&R Right mirror with the new one	\$85.49	
			07 - 2019	DEF Header and O Ring	\$389.40	
			06 - 2019	Steer tires 245/70R/19.5	\$760.22	
			03 - 2019	R&R Drive tires 225/70/19.5	\$884.60	
			12 - 2018	PM-B	\$567.20	
			02 - 2019	A-Z Bus. Coolant leaks repair Invoice # 02S308741	\$732.80	
					\$412.83	
					\$3,832.54	



VEHICLE DESCRIPTION *Automatic tire chains	Odometer reading as of 8/31/2019	REPAIR HOURS	Dates	Maintenance Performed for Month of AUGUST 2019 Jobs Exceeding \$150 performed since July 2015 (in Gray) FY 2018/2019	Cost for Month Of AUGUST	July 2015 to-date CUMULATIVE COST
Bus #508 (diesel)	32,535	2.00	08 - 2019	Removed drive tires from 501 and put them on 508 as well	\$0.00	
2017 FREIGHTLINER	ODO	6.00	08 - 2019	right rear AC Inop replaced Compressor and dryer and charged	\$575.22	
	***	0.15	08 - 2019	3 gallons of DEF	\$8.67	
Mileage for the Month	1,468	0.15	08 - 2019	3 gallons of DEF	\$8.67	

05 - 2019	R&R header / sending unit assy refilled DEF	\$592.56
10 - 2018	Drive tires 19.5 Recaps	\$741.22
		\$722.64
		\$2,056.42



VEHICLE DESCRIPTION *Automatic tire chains	Odometer reading as of 8/31/2019	REPAIR HOURS	Dates	Maintenance Performed for Month of AUGUST 2019 Jobs Exceeding \$150 performed since July 2015 (in Gray) FY 2018/2019	Cost for Month Of AUGUST	July 2015 to-date CUMULATIVE COST
Bus #602 (diesel)	188,074	3.00	08 - 2019	PM-A Service	\$0.00	
09 GMC	ODO	2.50	08 - 2019	Broken Exhaust hanger, also tightend exhaust bolts , fixed bike rack bushings	\$19.99	
36-passenger 2 w/c	***	1.50	08 - 2019	Recharged AC system and 2.3lbs of R134A	\$12.00	
Mileage for the Month	361					
					\$31.99	
			06 - 2019	R&R Master Brake cylinder	\$343.85	
			12 - 2018	Rear AC compressor	\$280.00	
			10 - 2018	Replaced Main belt, idler pulley AC belt and air filter	\$150.72	
			08 - 2018	1 DOT red, 1 DOT amber. W/C lift Struts. P/S Filter. 1 QT of ATF VI	\$181.82	
			05 - 2018	BRAKE BOOSTER PUMP AND O RINGS	\$291.45	
			12 - 2017	INVOICE # 21538 DAVIS TRUCK PAINTING REPLACED PANELING	\$4,284.14	
			08 - 2017	REPLACED REAR BRAKE PADS	\$165.00	
			12 - 2016	Replaced cracked exhaust pipe (manifold to turbo)	\$416.00	
			12 - 2016	Replaced Multi-function switch (OEM)	\$340.00	
			11 - 2016	Replaced main batteries	\$334.00	
			09 - 2016	Radiator, lower hose, cross over flow hose and coolant, clamps	\$830.00	
			08 - 2016	drive tires	\$806.00	
			05 - 2016	Rear A/C Compressor and V belt and 2 filter dryer	\$390.00	
			04 - 2016	steer tires, siped 245/70/19.5	\$923.00	
			12 - 2015	Replaced brake hydronic booster, adjusted telma brake retarder switch, pressure washed engine compartment and test drove	\$599.00	
			09 - 2015	Installed new lower A/C comp. both belts, main tensioner, idlers, towed	\$1,132.00	
			09 - 2015	Installed new PS pump, filter, rebuilt PS gearbox, New draglink installed	\$1,517.00	
			07 - 2015	Air filter lower housing, nut clip, mass air sensor, gromet and bushing, test drive and road call	\$457.00	
			07 - 2015	PCM refurbished	\$419.00	
			07 - 2015	Hahn's Auto troubleshoot, diagnostic \$789	\$789.00	
			07 - 2015	Performance Chevy, EGR valve and cooler, both valve covers,		
				drained oil from intercooler, diesel exhaust filter, rest data, manual regen, test drive	\$7,127.00	
			07 - 2015	July 3 - Broken down on CA-16, towed to Performance Chevy \$425	\$425.00	\$22,232.97

VEHICLE DESCRIPTION *Automatic tire chains	Odometer reading as of 8/31/2019	REPAIR HOURS	Dates	Maintenance Performed for Month of AUGUST 2019 Jobs Exceeding \$150 performed since July 2015 (in Gray) FY 2018/2019	Cost for Month Of AUGUST	July 2015 to date CUMULATIVE COST
*Bus #701 (diesel) 2016 Freightliner - Glaval	117,787 ODO	3	08 - 2019	PM-A Service	\$43.00	
33-passenger 2 w/c Mileage for the Month	***	2.50	08 - 2019	Repaired Drivers seat arm rest	\$0.00	
		0.15	08 - 2019	4 Gallons of DEF	\$11.56	
	3,970	0.15	08 - 2019	4.5 Gallons of DEF	\$13.01	
					\$67.57	
					\$934.22	
					\$508.32	
					\$726.84	
					\$912.75	
					\$285.92	
					\$154.61	
04 - 2019				Replaced steer tires 255/70/22.5 from stock		
11 - 2018				Front brake rotors, seals, fluid test drove, washed		
04 - 2018				DRIVE TIRES 255/70R22.5 RECAPS		
04 - 2018				255/70R/22.5 STEER TIRES		
02 - 2018				DELTA TRUCK CENTER TRANSMISSION CODE INVOICE # R008105058:01		
07 - 2018				PM-B		
						\$3,590.23

VEHICLE DESCRIPTION *Automatic tire chains	Odometer reading as of 8/31/2019	REPAIR HOURS	Dates	Maintenance Performed for Month of AUGUST 2019 Jobs Exceeding \$150 performed since July 2015 (in Gray) FY 2018/2019	Cost for Month Of AUGUST	July 2015 to- date CUMULATIVE COST
TOTALS	29,276	36			\$ 7,681	\$ 207,152

### Vehicles no longer in Service - Auction

*Bus #27 (diesel) 02 Ford 20-passenger 4 w/c	315,082 ODO ***
Bus #501 (gas) 06 Chevrolet 28-passenger 2 w/c	221,653 ODO ***
Bus #502 06 Chevrolet 28-passenger 2 w/c	169,913 ODO ***
Bus #601 (diesel) 02 Glavel 32-passenger 2w/c	305,763 ODO

PERFORMANCE SUMMARY  
AUGUST 2019

AMADOR TRANSIT  
FY 2019/20

	Jul-19	Aug-19	YEAR TO-DATE	Last FY 18/19 to Date
<b>RIDERSHIP-FIXED ROUTE/DAR</b>				
FIXED ROUTE & DAR PASSENGERS	5,353	5,188	10,541	10,999
SENIORS	539	535	1,074	1,347
DISABLED	2,592	2,772	5,364	5,438
WHEELCHAIR	386	416	802	873
%SENIORS / DISABLED	66%	72%	69%	70%
YOUTH	363	206	569	558
%YOUTH	7%	4%	5%	5%
BIKES	114	112	226	149
<b>OPERATIONS</b>				
TOTAL SERVICE DAYS	22	22	44	46
VEHICLE SERVICE HOURS	1,121	1,108	2,229	2,174
PASSENGER PER HOUR	5	4.7	4.7	5.1
VEHICLE SERVICE MILES	21,214	20,743	41,957	41,211
VEHICLE NON-REVENUE MILES	1,385	1,312	2,697	2,761
PASSENGER PER MILE	0.25	0.25	0.25	0.27
<b>COSTS</b>				
MONTHLY EXPENSES (Operating Costs)	242,141	\$124,263	366,404	357,477
COST PER PASSENGER	\$45.23	\$23.95	\$34.76	\$32.50
COST PER MILE	\$11.41	\$5.99	\$8.73	\$8.67
COST PER HOUR	\$191.42	\$99.25	\$145.57	\$145.17
<b>REVENUE</b>				
FIXED ROUTE/DAR FAREBOX REVENUE	8,183	\$7,459	15,642	\$14,175
ADVERTISING SALES	5,566	\$4,245	9,811	\$10,901
TOTAL FAREBOX RATIO	6.62%	12.17%	8.44%	8.62%
<b>SACRAMENTO ROUTE</b>				
PASSENGERS	795	750	1,545	1,571
SENIORS	185	135	320	334
DISABLED	66	63	129	110
WHEELCHAIR	0	6	6	12
%SENIORS / DISABLED	32%	27%	29%	29%
YOUTH	50	43	93	109
%YOUTH	6%	6%	6%	7%
BIKES	2	4	6	8
VEHICLE SERVICE HOURS	144	144	288	289
PASSENGER PER HOUR	5.5	5.2	5.4	5.4
VEHICLE SERVICE MILES	4,048	4,006	8,054	8,014
VEHICLE NON-REVENUE MILES	134	134	268	268
PASSENGER PER MILE	0.20	0.19	0.19	0.20
<b>OPERATING COST</b>				
(Amador City to Sac City Line)				
COST PER PASSENGER	3,478	\$3,826	7,304	\$7,652
COST PER MILE	\$4.37	\$5.10	\$4.73	\$4.87
COST PER HOUR	\$0.86	\$0.96	\$0.91	\$0.95
SAC FAREBOX REVENUE	\$24.15	\$26.57	\$25.36	\$26.52
SAC CONTRACT REVENUE	1,523	\$1,997	3,520	\$3,165
	8,129	\$7,866.00	15,995	\$22,183

**AMADOR TRANSIT**  
**STATEMENT OF NET POSITION**  
As of August 31, 2019

	Aug 31, 19
<b>ASSETS</b>	
<b>Current Assets</b>	
<b>Checking/Savings</b>	
11100 · 8786 WF Checking - Operating	137,451.56
11200 · 8794 Wells Fargo Savings Res	
11210 · Fleet Reserve	407,707.75
11220 · Building Reserve	103,888.30
11230 · Equipment Reserve	70,286.80
11250 · Operating Cash Reserves	146,616.01
11200 · 8794 Wells Fargo Savings Res - Other	37.12
<b>Total 11200 · 8794 Wells Fargo Savings Res</b>	728,535.98
11300 · 8802 Wells Fargo Savings-Grants	
10200s · PTMISEA	
10260s · MOA Facility Upgrades	37,152.67
10265s · Operating Imp (Shop Equipment)	2,115.00
<b>Total 10200s · PTMISEA</b>	39,267.67
10700 · SGR Funds	28,988.90
10725 · LCTOP Operating Funds	85,801.00
11300 · 8802 Wells Fargo Savings-Grants - Other	25,111.01
<b>Total 11300 · 8802 Wells Fargo Savings-Grants</b>	179,168.58
11400 · Petty Cash	350.68
<b>Total Checking/Savings</b>	1,045,506.80
<b>Accounts Receivable</b>	
11505 · UMPQUA Checking AR	12,000.00
<b>Total Accounts Receivable</b>	12,000.00
<b>Total Current Assets</b>	1,057,506.80
<b>Fixed Assets</b>	
15100 · LAND	254,026.00
15200 · BUILDING	2,157,453.27
15300 · EQUIPMENT	
15500 · COMPUTERS AND SOFTWARE	106,244.28
15300 · EQUIPMENT - Other	260,153.33
<b>Total 15300 · EQUIPMENT</b>	366,397.61
15350 · Bus Equipment	23,986.01
15400 · VEHICLES	2,417,515.59
16000 · ACCUMULATED DEPRECIATION	(2,385,499.00)
<b>Total Fixed Assets</b>	2,833,879.48
<b>Other Assets</b>	
19000 · Deferred Outflow Pension	356,682.00

**AMADOR TRANSIT**  
**STATEMENT OF NET POSITION**  
As of August 31, 2019

	Aug 31, 19
Total Other Assets	356,682.00
<b>TOTAL ASSETS</b>	<b>4,248,068.28</b>
<b>LIABILITIES &amp; EQUITY</b>	
Liabilities	
Current Liabilities	
Accounts Payable	
20000 · ACCOUNTS PAYABLE	41,497.78
Total Accounts Payable	41,497.78
Other Current Liabilities	1,050,071.92
Total Current Liabilities	1,091,569.70
Long Term Liabilities	
22400 · Pension Liability	1,075,841.00
26100 · Deferred Inflow Pension	87,976.00
Total Long Term Liabilities	1,163,817.00
Total Liabilities	2,255,386.70
Equity	
31300 · INVESTED IN CAPITAL ASSETS	2,833,879.48
32000 · UNRESTRICTED NET ASSETS	(1,969,487.78)
32001 · *Unrestricted Net Assets	1,248,464.33
32005 · Amador Rides Fund Balance	6,425.00
Net Income	(126,599.45)
Total Equity	1,992,681.58
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<b>4,248,068.28</b>

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09/23/19

Accrual Basis

# AMADOR TRANSIT

## Annual Budget vs. Actual

### August 2019= 16% of year

	Jul '19 - Aug 20	Budget	\$ Over Budget	% of Budget
Ordinary Income/Expense				
Income				
41000 · OPERATING REVENUE				
41100 · FIXED ROUTE REVENUE	14,956.39	94,000.00	-79,043.61	15.9%
41200 · DIAL-A-RIDE REVENUE	5,511.06	30,000.00	-24,488.94	18.4%
41250 · LOGISTICARE REVENUE	1,442.09	10,000.00	-8,557.91	14.4%
41300 · SACRAMENTO SERV. CONTRACT	23,017.30	85,000.00	-61,982.70	27.1%
Total 41000 · OPERATING REVENUE	44,926.84	219,000.00	-174,073.16	20.5%
42000 · NON-OPERATING REVENUES				
41350 · LCTOP Operating Funds	85,801.00	83,582.00	2,219.00	102.7%
42100 · LOCAL TRANSP FUND(LTF)	150,574.34	837,900.00	-687,325.66	18.0%
42250 · SGR Funds	14,921.82	61,176.00	-46,254.18	24.4%
42300 · 5311 Operating Assistance	0.00	218,210.00	-218,210.00	0.0%
42400 · 5310 Expanded Mobility	0.00	113,213.00	-113,213.00	0.0%
42500 · ADVERTISING CONTRACT	12,198.50	70,000.00	-57,801.50	17.4%
42700 · STA - (Operating Shortfall)	0.00	138,553.00	-138,553.00	0.0%
44000 · REFUNDS & REIMBURSEMENTS	1,057.11			
44100 · Interest	312.68			
Total 42000 · NON-OPERATING REVENUES	264,865.45	1,522,634.00	-1,257,768.55	17.4%
Total Income	309,792.29	1,741,634.00	-1,431,841.71	17.8%
Gross Profit	309,792.29	1,741,634.00	-1,431,841.71	17.8%
Expense				
50010 · LABOR				
50100 · SALARIES & WAGES - Fixed Route	53,319.59	275,273.00	-221,953.41	19.4%
50200 · SALARIES & WAGES - DAR	11,545.40	75,948.00	-64,402.60	15.2%
50300 · MAINT. & FACILITIES WAGES	28,418.20	166,863.00	-138,444.80	17.0%
50400 · ADMINISTRATIVE WAGES	35,021.00	205,851.00	-170,830.00	17.0%
50500 · OTHER SALARIES & WAGES	19,184.63	104,244.00	-85,059.37	18.4%
Total 50010 · LABOR	147,488.82	828,179.00	-680,690.18	17.8%
51000 · BENEFITS				
51100 · FICA	2,039.38	12,300.00	-10,260.62	16.6%
51150 · PENSION PLAN (CalPERS)	85,920.01	142,000.00	-56,079.99	60.5%
51200 · MEDICAL PLAN	9,704.90	62,250.00	-52,545.10	15.6%
51260 · DENTAL PLAN	957.42	5,603.00	-4,645.58	17.1%
51300 · VISION PLAN	183.44	1,200.00	-1,016.56	15.3%
51350 · WORKERS COMP INS	16,560.00	68,000.00	-51,440.00	24.4%
51420 · DISABILITY INSURANCE	1,246.13	7,500.00	-6,253.87	16.6%

# AMADOR TRANSIT

## Annual Budget vs. Actual

### August 2019= 16% of year

	Jul '19 - Aug 20	Budget	\$ Over Budget	% of Budget
51450 · UNEMPLOYMENT INSURANCE	147.63	9,500.00	-9,352.37	1.6%
51600 · UNIFORMS/WORK CLOTHES ALLOW	921.18	5,600.00	-4,678.82	16.4%
51650 · OTHER BENEFITS	380.00	3,000.00	-2,620.00	12.7%
<b>Total 51000 · BENEFITS</b>	<b>118,060.09</b>	<b>316,953.00</b>	<b>-198,892.91</b>	<b>37.2%</b>
52000 · SERVICES & USER FEES				
52100 · VEHICLE TECH SERV-OUTSOURCE	7,203.52	35,000.00	-27,796.48	20.6%
52150 · PROPERTY MAINTENANCE SERVICES	3,108.63	8,700.00	-5,591.37	35.7%
52170 · CONTRACT IT SERVICES	86.90	1,050.00	-963.10	8.3%
52250 · LEGAL COUNSEL	129.00	1,000.00	-871.00	12.9%
52300 · ADVERTISING & MARKETING	3,441.22	12,000.00	-8,558.78	28.7%
52350 · LEGAL NOTICES	0.00	300.00	-300.00	0.0%
52400 · SOFTWARE MAINTENANCE FEES	5,910.00	9,000.00	-3,090.00	65.7%
52420 · DRUG & ALCOHOL SERVICES	647.50	2,250.00	-1,602.50	28.8%
52500 · FACILITY SECURITY SYSTEM	1,352.12	4,250.00	-2,897.88	31.8%
52550 · GSA COST ALLOC-(POSTAGE/PRINT)	98.64	826.00	-727.36	11.9%
52600 · PROFESSIONAL & TECH SERVICES	742.91	8,300.00	-7,557.09	9.0%
52610 · Fees Bank, Merchant, Service	231.23	1,000.00	-768.77	23.1%
52000 · SERVICES & USER FEES - Other	700.00			
<b>Total 52000 · SERVICES &amp; USER FEES</b>	<b>23,651.67</b>	<b>83,676.00</b>	<b>-60,024.33</b>	<b>28.3%</b>
53000 · MATERIALS & SUPPLIES CONSUMED				
53100 · FUEL	36,041.85	145,000.00	-108,958.15	24.9%
53150 · TIRES	1,669.09	22,000.00	-20,330.91	7.6%
53200 · LUBRICATION	0.00	5,000.00	-5,000.00	0.0%
53250 · TOOLS	297.01	900.00	-602.99	33.0%
53300 · VEHICLE MAINT-REPAIR PARTS	7,394.13	36,000.00	-28,605.87	20.5%
53350 · SHOP SUPPLIES (Consumables)	712.07	3,850.00	-3,137.93	18.5%
53400 · VEHICLE ACCESSORIES	88.00	800.00	-712.00	11.0%
53425 · TOWING	1,581.25	4,000.00	-2,418.75	39.5%
53450 · FACILITIES MAINT/REPAIR PARTS	2,030.91	5,750.00	-3,719.09	35.3%
53500 · TRANSIT CENTER SUPPLIES	0.00	950.00	-950.00	0.0%
53550 · OFFICE SUPPLIES	1,387.61	6,000.00	-4,612.39	23.1%
53650 · PRINTING (Schedules, Brochures)	0.00	8,500.00	-8,500.00	0.0%
53670 · COMPUTER PROGRAM & SUPPLIES	0.00	1,800.00	-1,800.00	0.0%
53700 · SAFETY & EMERGENCY SUPPLIES	0.00	600.00	-600.00	0.0%
53750 · OTHER MATERIALS & SUPPLIES	8.62	750.00	-741.38	1.1%
53000 · MATERIALS & SUPPLIES CONSUMED - Other	39.35			
<b>Total 53000 · MATERIALS &amp; SUPPLIES CONSUMED</b>	<b>51,249.89</b>	<b>241,900.00</b>	<b>-190,650.11</b>	<b>21.2%</b>
54000 · UTILITIES				
54100 · AT WATER/SEWER/GARBAGE	1,091.75	5,000.00	-3,908.25	21.8%
54200 · AT -PGE	512.34	4,250.00	-3,737.66	12.1%
54300 · TRANSIT CTR/WATER/SEWER/GARB	721.63	2,400.00	-1,678.37	30.1%
54400 · TRANSIT CENTER-PGE	1,278.82	6,200.00	-4,921.18	20.6%



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Accrual Basis

# AMADOR TRANSIT

## Annual Budget vs. Actual

### August 2019= 16% of year

	Jul '19 - Aug 20	Budget	\$ Over Budget	% of Budget
54450 · TRANSIT CENTER-INTERNET	388.58	2,300.00	-1,911.42	16.9%
54500 · OFFICE PHONES/FAX/INTERNET	1,358.00	5,350.00	-3,992.00	25.4%
54550 · CELLULAR SERVICE	907.32	5,300.00	-4,392.68	17.1%
54700 · Wi-Fi (Sacramento Bus)	50.08	850.00	-799.92	5.9%
Total 54000 · UTILITIES	6,308.52	31,650.00	-25,341.48	19.9%
56000 · CASUALTY & LIABILITY COSTS				
56100 · LIABILITY & PROPERTY DAMAGE INS	38,809.02	157,000.00	-118,190.98	24.7%
Total 56000 · CASUALTY & LIABILITY COSTS	38,809.02	157,000.00	-118,190.98	24.7%
58000 · MISCELLANEOUS (NEW)				
58050 · DUES & SUBSCRIPTIONS	676.00	1,750.00	-1,074.00	38.6%
58200 · TRAVEL & MEETINGS	348.19	2,500.00	-2,151.81	13.9%
58300 · SAFETY PROGRAM	20.00	500.00	-480.00	4.0%
58400 · TRAINING-Seminars & Materials	690.00	1,750.00	-1,060.00	39.4%
58450 · CDL/ DOT MED/BkGrnd Checks	400.00	1,800.00	-1,400.00	22.2%
58500 · Penalties/Late Fees	0.00	200.00	-200.00	0.0%
58600 · Other Miscellaneous	136.02	600.00	-463.98	22.7%
Total 58000 · MISCELLANEOUS (NEW)	2,270.21	9,100.00	-6,829.79	24.9%
59000 · LEASES / RENTALS				
59100 · Leases & Rentals	2,409.74	12,000.00	-9,590.26	20.1%
Total 59000 · LEASES / RENTALS	2,409.74	12,000.00	-9,590.26	20.1%
Total Expense	390,247.96	1,680,458.00	-1,290,210.04	23.2%
Net Ordinary Income	-80,455.67	61,176.00	-141,631.67	-131.5%
Other Income/Expense				
Other Expense				
60000 · CAPITAL OUTLAY				
60150 · Cap.Reserve-Building LTF/STA	5,900.00			
Total 60000 · CAPITAL OUTLAY	5,900.00			
Total Other Expense	5,900.00			
Net Other Income	-5,900.00			
Net Income	-86,355.67	61,176.00	-147,531.67	-141.2%



Serving Amador County Since 1977

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**SUBJECT:** Reso #19-06 CalTip Joint Powers Authority Agreement update

**TO:** Amador Transit Board of Directors  
**FROM:** Patricia M. Amarant, General Manager  
**DATE:** October 3, 2019

**RECOMMENDATION:** *Review updated JPA agreement from CalTip (vehicle liability insurance company) and approve Reso # 19-06*

CalTip has updated and amended their JPA and have requested all transit agencies approve the new agreement and obtain signed approval on the Resolution by their respective board. Staff submitted the agreement to legal counsel for review and it was approved.

Staff submits Resolution #19-06 for board approval and signature.

RESOLUTION NO. 19-06

RESOLUTION OF THE Amador Transit Board of Directors OF AMADOR TRANSIT  
APPROVING THE AMENDED JOINT POWERS AUTHORITY AGREEMENT FORMING THE  
CALIFORNIA TRANSIT SYSTEMS JOINT POWERS AUTHORITY

WHEREAS, on the 20<sup>th</sup> day of November 2002, by its Resolution No.02-02 the Amador Transit Board of Directors approved entering into an agreement that provided for the creation of the California Transit Systems Joint Powers Authority (hereinafter CalTIP) for the purpose of jointly funding tort liabilities and other losses and providing risk management services to reduce such losses;

WHEREAS, CalTIP has provided AMADOR TRANSIT coverage for such liabilities, including losses to vehicles, at overall cost-effective pricing;

WHEREAS, the Amador Transit Board of Directors of AMADOR TRANSIT finds it is in the best interest of AMADOR TRANSIT to continue its participation in CalTIP and obtain liability coverage and risk management services from CalTIP;

WHEREAS, the joint powers authority agreement of CalTIP has retained its original form as drafted in 1987 and amended in 2011 and there have been changes in operations of CalTIP since that time;

WHEREAS, the Amador Transit Board of Directors recognizes the need to amend the CalTIP joint powers authority agreement to enable CalTIP to effectively govern the organization and adapt to changes in the environment in which CalTIP operates.

NOW, THEREFORE, BE IT RESOLVED that the Amador Transit Board of Directors of AMADOR TRANSIT accepts the changes to the joint powers authority agreement as presented, and

BE IT FURTHER RESOLVED that the Amador Transit Board of Directors authorizes the General Manager to sign the amended joint powers authority agreement that shall enable the AMADOR TRANSIT to continue to enjoy the joint self-insurance and risk management programs provided by CalTIP.

THIS RESOLUTION DULY PASSED this 3rd day of October 2019.

AYES:

NOES:

ABSENT:

ABSTAIN:

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Brian Oneto, Chairman

---

Felicia Bridges, Recording Secretary

**California Transit Systems Joint Powers Authority**  
**Comparison of JPA Agreements – Current versus Proposed**

Current to Proposed:

<b>Current JPA Reference</b>	<b>Changes in Proposed JPA</b>	<b>Proposed JPA Reference</b>
Page 1, Lines 1 - 3	Changing the opening paragraph prior to recitals for clarification purposes.	Page 1, Lines 1 - 3
Page 1, Line 27	Adding language to clarify the amended Agreement will become effective as soon as three-quarters of the current Parties to the Agreement approve the Agreement.	Page 1, Lines 26 - 27
Page 2, Lines 81 - 83	Article IV – Term of Agreement: Adding language to clarify the agreement is effective as amended from time to time.	Page 2, Lines 85 - 87
Page 3, Line 111 - 112	Article VII – Governing Documents: Including language stating the amended Bylaws are attached to the document and noting they will be deemed adopted upon the effective date of the Agreement. (The Board has the authority to adopt the Bylaws; however, because some of the amendments to the Bylaws dovetail with the amendments to the Agreement, the Board adopted the amended Bylaws to become effective upon the effective date of the Agreement). The language was also changed to clarify the Board may amend the Bylaws.	Page 3, Lines 113 - 114
Page 3, Line 130	Article VIII – Responsibilities of the Parties: Clarifying one or more Alternates may be appointed to the Board, which is CalTIP's current practice.	Page 3, Line 134
Page 4, Lines 148 - 154	Article X – Board of Directors: Adding language to maintain consistency regarding appointment of "one or more Alternates" to the Board, referring to the Bylaws for specifics regarding the constitution of the Board of Directors, and removing the specifics from the Agreement.	Page 4, Lines 153 - 154
Page 5, Line 202 - 203	Article XVI – New Parties: Removing the quorum requirement from this section of the Agreement. Specifics regarding the quorum requirement are contained in the amended Bylaws. (The Bylaws require a two-thirds affirmative vote of the Board present and voting).	N/A
Page 6, Lines 221 - 223	Article XVIII – Expulsion: Removing the quorum requirement from this section of the Agreement and referencing the Bylaws. (The Bylaws require a three-fourths vote of the Board present and voting). Adding language to clarify written notice of such action will be provided to the expelled Party at least 90 days prior to the effective date of the expulsion.	Page 6, Lines 220 - 222
N/A	Article XXII – Notices: Adding language stating notices of meetings may be provided via e-mail.	Page 7, Lines 290 - 291
Page 7, Line 303	Article XXV – Amendments: Changing the approval requirement to amend the Agreement from three-fourths of the Parties to two-thirds of the Parties for future amendments.	Page 7, Line 310

**CALIFORNIA TRANSIT SYSTEMS**

**JOINT POWERS AUTHORITY**

**AMENDED AND RESTATED**  
**JOINT POWERS AUTHORITY AGREEMENT**

**As Amended 2019**

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This Amended and Restated Joint Powers Agreement ("Agreement") is executed by and among those public entities which are signatories to this Agreement. Such parties shall hereinafter be referred to individually as "Party" or collectively, "Parties."

#### **RECITALS**

**Whereas**, Article 1, Chapter 5, Division 7, Title 1 of the California Government Code (Section 6500 et seq.) permits two or more public entities, by agreement, to exercise jointly powers common to the contracting parties; and

**Whereas**, it is the mutual benefit of the Parties and in the public interest that the Parties join together to provide:

- Pooling of their self-insured losses caused by injury to, or disease of, a person or damage to property;
- Sharing the cost of excess insurance or reinsurance, if any, or pooling with other joint powers authorities or public entity pooling arrangement; and
- Sharing the administration of the Authority created by this document.

**Whereas**, each Party desires to enter into this Agreement with each of the other Parties for the purpose of joint risk sharing and/or insuring against various risk of loss jointly, rather than individually;

**NOW, THEREFORE, IT IS AGREED AS FOLLOWS:**

#### **AGREEMENT**

This amended Agreement replaces and restates in its entirety the Agreement and any prior amendments that may exist and is effective upon approval by three-quarters of the current Parties to the Agreement.

This Agreement is made under the authority of Government Code Section 6500 et seq. between the undersigned public entities, after the governing boards of the entities determine that it is in their best interest to execute this Agreement.

#### **ARTICLE I - PURPOSE**

The purpose of this Agreement is to exercise jointly powers common to each Party by:

- Creating an authority under Government Code Section 6500 et seq., a public entity that is separate and apart from the Parties, to be known as the California Transit System Joint Powers Authority, to administer a self-insurance pool,
- Sharing losses and purchase as a group, insurance or reinsurance and participate in other joint powers authorities or other public entity pooling arrangements,
- Maintaining funds sufficient to pay the losses to which the Parties agree to share through a Coverage Program, and
- Purchasing jointly administrative and other services, including risk management, loss prevention, and legal defense in connection with the Coverage Programs.

## **ARTICLE II - CREATION OF THE CALIFORNIA TRANSIT SYSTEMS JOINT POWERS AUTHORITY**

Pursuant to Government Code Section 6500 et seq., the Parties to this Agreement hereby create a public entity separate and apart from the Parties. This public entity created by this Agreement shall be known as the California Transit Systems Joint Powers Authority.

## **ARTICLE III - DEFINITIONS**

1. "Authority" shall mean the California Transit Systems Joint Powers Authority.
2. "Board" or "Board of Directors" shall mean the governing board of the Authority.
3. "Coverage Programs" shall mean programs as defined and adopted by the Board which may, but need not be limited to pooled risk programs, group purchase of insurance or reinsurance, or participation in other public entity pooling programs.
4. "Coverage Program Documents" shall mean the Master Program Document defining the policies and procedures of the program and the Memorandum of Coverage defining the coverage provided by the program.
5. "Contributions" shall mean payments by Members to the Authority, for other than interest, penalties paid, or reimbursements for payments made on behalf of the Member, for which the Authority is not liable.
6. "Governing Documents" shall be those documents described in Article VII, Governing Documents.
7. "Member" or collectively "Members" shall mean a Party who is participating in a particular Coverage Program.
8. "Party" shall mean a signatory to this Agreement.
9. "Officer" shall mean an officer of the Authority as defined in Article XIII.

## **ARTICLE IV - PARTIES TO THIS AGREEMENT**

Each Party to this Agreement certifies that it intends to, and does, contract with all other Parties who are signatories to this Agreement, and any signatories that may sign this Agreement in the future, pursuant to Article XVI. The withdrawal of any Party to this Agreement shall not affect this Agreement as respects the remaining Parties and those remaining Parties' intent to be bound by this Agreement.

## **ARTICLE V - TERM OF AGREEMENT**

As authorized by Government Code Section 6510, this Agreement which was originally effective May 1, 1987 shall stay in full force, as amended from time to time, until terminated in accordance with Article XX.

## **ARTICLE VI - POWERS OF THE AUTHORITY**

The powers of the Authority shall be the powers enjoyed by the County of Nevada or, if the County of Nevada is no longer a Party to this Agreement then, the County of Siskiyou, and is authorized to do all acts necessary to fulfill the purposes of this Agreement including, but not limited to, the following:

1. Make and enter into contracts;
2. Incur debts, liabilities and obligations, but no debt, liability or obligation of the Authority is the debt, liability or obligation of any Party except as otherwise provided;
3. Acquire, hold or dispose of real and personal property;
4. Receive contributions and donations of property, funds, services and other forms of assistance from any source;
5. Assess Parties as deemed appropriate by the Board;
6. Sue and be sued in its own name;
7. Acquire, construct, manage and maintain buildings; and
8. Lease real or personal property including property of a Party, and receive, collect, invest and disburse monies.

These powers shall be executed in a manner provided by appropriate law and as set forth in this Agreement.

## **ARTICLE VII - GOVERNING DOCUMENTS**

The attached amended Bylaws shall be deemed adopted upon the effective date of this Agreement. Thereafter, the Board of Directors may amend the Bylaws consistent with this Agreement and applicable law to govern the operations of the Authority. The Board of Directors may adopt Coverage Program Documents, consistent with this Agreement and the Bylaws. These Coverage Program Documents define the Coverage Programs, the Members' rights and duties, the Authority's rights and duties, and the operations of the programs. The Board may also adopt policies and procedures, consistent with this Agreement, the Bylaws, or Coverage Program Documents, to assist in the governance of the Authority's operations and activities. The Agreement, the Bylaws, Coverage Program Documents and policies and procedures adopted by the Board shall constitute the Governing Documents of the Authority.

Unless otherwise stated, a Governing Document may be amended by a majority of the Board of Directors at a duly noticed regular or special Board meeting.

## **ARTICLE VIII - RESPONSIBILITIES OF THE PARTIES**

The Parties to this Agreement shall have the following responsibilities:

1. To abide by the terms of this Agreement and other Governing Documents;
2. To cooperate fully with the Authority in the settlement of claims;
3. To pay Contributions, assessments, or other charges promptly to the Authority when due; and
4. To appoint a Director and one or more Alternates to the Board of Directors and to reappoint those positions upon the departure of anyone from those positions.

## **ARTICLE IX - POWERS RESERVED UNTO THE PARTIES**

The Parties reserve unto themselves the following powers:

1. To amend this Agreement;
2. Appoint the Representatives and Alternates to the Board of Directors; and
3. To terminate the Authority in accordance with Article XX.

## **ARTICLE X - BOARD OF DIRECTORS**

There shall be a Board of Directors to govern the affairs of the Authority. The Board of Directors shall have all the powers of the Authority except those specifically reserved to the Parties. The Board of Directors shall have the authority to create committees as deemed necessary for the operations of the Authority. The Board has the power to delegate any and all of its powers, not specifically reserved exclusively to the Board, to a committee or an Officer of the Authority.

The Board of Directors shall consist of one Director and one or more Alternates for each Party to this Agreement as provided for in the Bylaws.

## **ARTICLE XI - DUTIES OF THE BOARD NOT DELEGABLE**

The Board may not delegate to any committee, office or person the authority to:

1. Adopt, amend or alter the Bylaws;
2. Adopt the Authority's Annual Budget;
3. Create a Coverage Program;
4. Accept a Party to this Agreement; or
5. Expel a Party to this Agreement.

## **ARTICLE XII - BOARD MEETINGS AND RECORDS**

The Board of Directors shall hold at least one meeting each fiscal year. Regular and special meetings may be called in accordance with the Bylaws of this Authority and applicable laws. All meetings shall be open to the public except as permitted by Government Code Section 54950 et seq. The Secretary shall keep full and complete minutes of all Board meetings.

### **ARTICLE XIII - OFFICERS OF THE AUTHORITY**

The Board shall elect one of its members as Chairperson and one as Vice Chairperson. The Board shall appoint a Secretary. The duties of the Chairperson, Vice Chairperson and Secretary shall be defined in the Bylaws.

In lieu of the designation of a treasurer and auditor as per Government Code Section 6505.6, the Board shall elect a Treasurer, who shall have, among other duties defined in the Bylaws, the duties of the treasurer and auditor as described in Government Code Section 6505.5.

The Board may appoint other officers of the Authority as described in the Bylaws.

### **ARTICLE XIV - ANNUAL BUDGET**

Pursuant to Government Code Section 6508, the Board shall approve a budget for any given fiscal year prior to the inception of that year.

### **ARTICLE XV - ADMINISTRATION OF FUNDS**

The Authority shall be responsible for the strict accountability of all funds and reports of all receipts and disbursements in conformity with Government Code Section 6505. All funds of the Authority may be held in common although there shall be a separate accounting for funds of each Coverage Program.

### **ARTICLE XVI - NEW PARTIES**

Prospective Parties may apply to the Board of Directors at any time. The Board shall have the power to accept a prospective Party, after reviewing their application. The membership shall become effective upon the Board's approval and the signing of this Agreement, participation in all mandatory Coverage Programs, and compliance with any and all other requirements imposed upon membership by the Bylaws or other Governing Documents.

### **ARTICLE XVII - WITHDRAWAL**

A Party to this Agreement may not withdraw as a party to this Agreement prior to being a Party for at least three full fiscal years. A Party, who has been a Party for at least three full fiscal years, may withdraw from this Agreement only on the completion of a fiscal year. The Party must provide the Chairperson written notice of intent to withdraw at least six-months prior to withdrawal. The Party may rescind its notice of intent to withdraw at any time prior to ninety-days prior to the commencement of the next fiscal year. The Board may authorize rescission of the intent to withdraw upon a Party's request pursuant to the Bylaws at any time.

## **ARTICLE XVIII - EXPULSION**

The Board may expel a Party to this Agreement as a Party as provided for in the Bylaws. The expelled Party shall be given written notice of such action of the Board at least ninety-days prior to the effective date of the expulsion.

## **ARTICLE XIX - EFFECT OF EXPULSION OR WITHDRAWAL**

Pursuant to Government Code Section 6512.2, termination of any Party to this Agreement as a Party shall not be construed to be completion of the purpose of the Agreement and shall not require the return of any Contributions, payments or advances made by the Party until the Agreement is rescinded or terminated by all Parties in accordance with Article XX.

Termination of a Party to this Agreement as a Party shall not terminate its continuing responsibilities defined in any Governing Document or Coverage Program Document for the period of time in which the Party participated, including, but not limited to:

1. Cooperate fully with the Authority in the investigation and settlement of a claim;
2. Pay any Contributions, retentions or deductibles, assessments or other charges which are due and payable; and
3. Provide any statistical or loss experience data and other information as may be necessary for the Authority to carry out the purpose of this Agreement.

## **ARTICLE XX - TERMINATION AND DISTRIBUTION**

This Agreement may be terminated at any time with written consent of three-fourths of the Parties; provided, however, that this Agreement and the Authority shall exist for the purpose of disposing of all claims, distribution of assets and any other functions necessary to wind up the affairs of the Authority. The Board shall be vested with all the powers of the Authority for the purposes of winding down and dissolving the business affairs of the Authority, including the power to assess past and present Parties in accordance with Coverage Program Documents.

In accordance with Government Code Section 6512, all assets of the Authority shall be distributed among those who were Parties within ten years of termination, in proportion to the Parties' Contributions. The Board shall determine when claims and liabilities are sufficiently realized as to not jeopardize the payment of any claim or liability that may arise in the future.

## **ARTICLE XXI - LIABILITY AND INDEMNIFICATION**

Pursuant to Government Code Section 6508.1, the debts, liabilities and obligations of the Authority shall not constitute debts, liabilities or obligations of any Party, except to the extent and in the proportions, imposed by the Bylaws or other Governing Documents. Each Party is independent of every other Party and of the Authority and not the agent of any Party or of the Authority. In contemplation of the provisions of Section 895.2 of the California Government Code, imposing certain tort liability jointly



upon public entities, solely by reason of a joint powers agreement as defined in Section 895 of that code, each Party, as between each other, pursuant to the authorization contained in Section 895.4 and 895.6 of that code, does hereby assume the full liability imposed upon it, or any of its officers, agents, or employees by law for injury caused by a negligent or wrongful act or omission occurring in the performance of this Agreement, to the same extent that such liability would be imposed in the absence of Section 895.2 of the California Government Code. To achieve the above-stated purpose, each Party shall indemnify and hold harmless each other Party for any loss, costs, or expense that may be imposed upon such other Party solely by virtue of Section 895.2. The provisions of Section 2778 of the California Civil Code are made a part of this Agreement as if set forth fully in this Agreement.

The members of the Board of Directors and the Officers and employees of the Authority shall act in good faith and in the best interests of the Authority in the performance of their duties. The members of the Board of Directors and Officers and employees shall be liable for an act or omission within the scope of their employment with the Authority as a public entity only in the event that they act or fail to act because of actual fraud, corruption, or malice. No member shall be liable for any actions taken or omissions by another member of the Board. Funds of the Authority shall be used to defend and indemnify members of the Board, Officers, and employees for any act or omission pursuant to the provisions of the Government Code Section 910 to 996.6, inclusive. The Authority may purchase insurance covering acts or omissions of the Board of Directors, Officers, and employees.

#### **ARTICLE XXII - NOTICES**

Notices to any or all Parties shall be sufficient if mailed to their respective addresses on file with the Authority. Notice to the Authority shall be sufficient if mailed to the official address of the Authority as established by Resolution. Notices of meetings may be given by electronic mail to the respective electronic mail addresses on file with the Authority, which notice shall be deemed sufficient notice.

#### **ARTICLE XXIII - PROHIBITION AGAINST ASSIGNMENT**

No Party may assign any right, claim, or interest it may have under this Agreement, and no creditor, assignee, or third party beneficiary of the Party shall have any right, claim or title to any part, share, interest, fund, premium, or asset of the Authority.

#### **ARTICLE XXIV - ARBITRATION**

Any controversy between the Parties hereto arising out of this Agreement shall be submitted to arbitration, and such arbitration shall comply with and be governed by the provisions of the California Arbitration Act, Sections 1280 through 1294.2 of the California Code of Civil Procedure.

#### **ARTICLE XXV - AMENDMENTS**

This Agreement may be amended at any time by approval of two-thirds of the Parties.

**ARTICLE XXVI - AGREEMENT COMPLETE**

The foregoing constitutes the full and complete agreement of the Parties. There are no oral understandings or agreements not set forth in writing herein.

In Witness Whereof, the undersigned Party hereto has executed this Agreement on the date indicated below:

Date: \_\_\_\_\_

By: \_\_\_\_\_

Printed Name of Authorized Signor

\_\_\_\_\_  
Signature of Authorized Signor

\_\_\_\_\_  
Title of Authorized Signor

\_\_\_\_\_  
Name of Agency



Serving Amador County Since 1977

**SUBJECT:** Review quotes and approve Solar installation contractor for Sutter Hill Transit Center

**TO:** Amador Transit Board of Directors  
**FROM:** Patricia M. Amarant, General Manager  
**DATE:** October 3, 2019

**RECOMMENDATION:** Review solar installation quotes, discuss staff analysis report and approve staff recommendation.

Staff received 3 quotes for installing solar at the Sutter Hill Transit Center. GM contacted consultant Dennis Forsberg who was hired last year to review quotes and recommend solar installation contractor. Mr. Forsberg is retired and no longer offering consultant services. He briefed GM to follow his report format from last year, extract the info from the quotes to provide similar report for the board. Since he vetted BTA Solar last year; he stated if nothing detrimental appeared on the BBB (Better Business Bureau) and CSLB (California State Licensing Board), and if their quote was the lowest, it would be appropriate for GM to recommend hiring the same company to install solar panels at SHTC.

Staff recommends board approve AT to contract with BTA Solar for installation at SHTC.

Variables	SCS	VS	BTA
Total Cost	\$54,708	\$48,000	\$43,400
Total DC watts	?	19,400	25,702
Price per DC watt	?	\$2.47	\$2.55 per DC
Permit/Inspect. Fee	Excluded	Included	Included
Solar Modules	45 x Axitec 385w	38 x JA Solar 370w	46 x Auxim 370w
Country of Manuf	Korea	Singapore	USA
Warranty	25 yr./ ?	25 yr	25 yr/91.1% output
Inverter	1 Fronius/15.0	Solar Edge/14.4	2 SMA/7.7
Inverter Warranty	20 yrs	20 yrs	20 yrs
Workmanship Warranty	20 yrs	20 yrs	20 yrs
Monitoring Included	SMA Sunny Portal	SMA Sunny Portal	SMA Sunny Portal
Solar Co./BBB Rating – Yrs. in service	A+ / 8 yrs	A+ / 14 yrs.	A+ / 15 yrs
Contractors' License Status /Complaints	Active / None	Active/ None	Active / None



209-464-6100

## COMMERCIAL CONTRACT

Company: Amador County Transit

Contact: Jeff Baxter

Address: Valley View Way

Jackson, CA 95642

Date: 18-Sep-19

Phone: 209 267 9395

Email: jeff@amadortransit.com

**Goods and service to be provided:**

**17.325 kWDC**

Furnish and install roof mount solar system per customer size request

**14.73 kWAC**

**Items to be installed**

**Qty**

Solar, Inverter Fronius 15.0-1 Primo, Dual MPPT

1 Item 1

Breaker, 20A, DP

50 Item 2

Solar, Support, roof mount (sq. ft.)

945 Item 3

Wire USE-2, 10 AWG (ft)

158 Item 4

Wire 8, THHN, 4 wire run

10 Item 5

Conduit, EMT 1" (ft)

10 Item 6

Wire 10, THHN, 6 wire run

40 Item 7

Conduit, EMT 1" (ft)

40 Item 8

Solar, Module, Axitec, 385W, Mono

45 Item 9

Equivalent substitutions may be made at contractor option as required. Contractor will obtain building permit and manage inspections for this project. Customer is responsible for the cost of plan-check, permits and inspections.

ACT Center 1a Quote 37s.xlsm

<b>CONTRACT PRICE: \$ 54,708</b>
----------------------------------

Customer shall pay Contractor the fixed Contract Price (Cash price) for the work to be performed under this Contract, subject to additions and deductions pursuant to change orders agreed upon in writing by the parties.  
(Note: Credit card payments require 3% document fee)

**Terms: This contract is subject to the attached: SCS Terms and Conditions of Contract**

**Scheduled of Progress Payments** must specifically describe each phase of work, including the type and amount of work or services scheduled to be supplied in each phase, along with the amount of each proposed progress payment.

	<u>Milestone</u>	<u>\$</u>	<u>Amount</u>
---	---	\$ -	0.0%
% Payment #1	Upon Order	\$ 21,883	40%
% Payment #2	Design Docs & Special Order	\$ 21,883	40%
----	-----	\$ -	0%
Final Payment	Upon Completion of Installation	\$ 10,942	20%

#### **START AND COMPLETION OF WORK**

Start date: 12/1/19 Est. Completion Date: 1/3/20

The work to be performed under this Contract shall be commenced at start date above, as long as any required building permits is obtained and materials are received and any agreed upon funds are paid to Contractor. The project shall be completed by as scheduled subject to permissible delays as defined in this contract. Events beyond contractor's control or Acts of God may impact these dates.

**Contractor State License Board Notice (CSLB):** is the state consumer protection agency that licenses and regulates construction contractors. Contact CSLB for information about the licensed contractor you are considering, including information about disclosable complaints, disciplinary actions and civil judgments that are reported to the CSLB. Use only licensed contractors. If you file a complaint against a licensed contractor within the legal deadline (usually four years), CSLB has the authority to investigate the complaint. If you use an unlicensed contractor, CSLB May not be able to help you resolve your Complaint. Your only remedy may be in civil court, and you may be liable for damages arising out of injuries to the unlicensed contractor and the unlicensed contractor's employees. For more information: visit [www.cslb.ca.gov](http://www.cslb.ca.gov) or call 800-321-2752, or write CSLB, PO Box 26000, Sacramento, CA 95826

#### **Agreement to Purchase above Services**

Property Owner or Authorized Representative:

Date: \_\_\_\_\_

SunnyCal Solar Incorporated  
Lic 990589

842 Hwy 88  
Jackson, CA 95642

fax: 209-755-6200  
9/18/19, Page 2 of 6



### **SunnyCal Solar Incorporated (SCS) Terms and Conditions of Contract (Feb 2014)**

**Job Processes** - SCS installs equipment only at the request of customer or authorized agent. Specific location of service or installation is to be defined by the customer. Knowledge of property lines, buried utility pipes and wires is strictly the customer's responsibility. If installation is close to or on a neighboring property, SCS recommends customer secure surveyor services as needed. The purchaser agrees that it is not the responsibility of SCS to make changes should a dispute occur; this includes disputes arising from Homeowners Associations. -Customer, or a responsible person, must be available for questions at anytime during the job work hours. Any down time, due to inability to communicate, due to customer unavailability, will be billed to the customer at the hourly rate of 98.00 per hour per employee affected, even if no "work" is performed. -Jobs will be scheduled by SCS and the customer. If scheduled appointments cannot be kept, and are not rescheduled 24 hours prior to the start time with sufficient reason, the customer will be held responsible for any SCS actual incurred expenses.

**Note About Extra Work and Change Orders** -Extra work and Change Orders become part of the contract once the order is prepared in writing and signed by the parties prior to the commencement of any work covered in the new change order. The order must describe the scope of the extra work or change, the cost to be added to or subtracted from the contract, and the effect the order will have on the schedule of progress payments. Only the authorized SCS representative who signed this contract may discuss or agree to changes to this contract; discussion with other SCS employees does not commit SCS to perform.

**Payment** -All work will be COD unless otherwise stated in writing in this contract. -Anytime work is performed on customer's property, the completion or percentage complete, partial payment is due at the end of the day; balance is due at the completion of the job. -There will be a document fee for each credit card transaction. The document fee is \$3.00 or 3% whichever is greater. -In the event a customer check is returned due to insufficient funds, the maximum allowable returned check fee will be added to remaining balances. -All payments due but not received are considered late as of the close of business of the due date whether or not customer receives an SCS invoice. If no invoice is received from SCS the customer must reference the proposal/contract for price and the address. All payments should be mailed to the address on the contract. -Customer agrees to pay service charge on accounts past due of 2% per month (annual rate is 24%). - Purchaser agrees to pay SCS attorney's fees and expenses incurred in collection of past due amounts.

**Standard Warranty** -New grid-tied solar systems are covered under a ten-year parts and labor warranty. SCS warrants the solar system installation; Equipment manufacturers warranty the equipment. Off-grid systems are covered under one-year parts and labor warranty, however installed material warranty term is limited to that supplied by the material manufacturer. Work performed on existing wiring and equipment is limited to thirty days. These warranties do not cover installation of customer-supplied material or no-charge items supplied by SCS. The warranty is limited to defective equipment and workmanship that results in system or component breakdown, or degradation in electrical output of more than twenty percent from the electrical output at the time of original installation. The warranty covers the solar generating system only, including PV modules (panels) and inverters, and provides for repair or replacement of the system or system components. Customer is responsible to contact equipment manufacturer to request warranty service.



SCS LIABILITY FOR ALL CLAIMS, LOSSES, DAMAGES, OR EXPENSES FROM ALL CAUSES WHATSOEVER UNDER THIS AGREEMENT, REGARDLESS OF THE FORM OF ACTION, WHETHER IN CONTRACT OR TORT, INCLUDING NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL BE LIMITED TO AN AMOUNT EQUAL TO THE CHARGES FOR THE DELIVERED GOODS AND SERVICES. IN NO EVENT SHALL SUNNYCAL SOLAR INC. OR OUR AFFILIATE COMPANIES BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR ANY OTHER INDIRECT LOSSES OR DAMAGES ARISING OUT OF THIS AGREEMENT OR ANY OBLIGATION RESULTING THEREFROM, REGARDLESS OF THE FORM OF ACTION, WHETHER IN CONTRACT, TORT, INCLUDING NEGLIGENCE, STRICT LIABILITY OR OTHERWISE.

**Exclusions** -The following are items that shall not be included in SCS contracts unless previously discussed AND written on the contract. Exclusions include, but are not limited to: patching holes or cracks, trimming around junction boxes or panels, stucco patching, existing devices, painting, machines, computers, electronics, existing light fixtures, fans, motors, appliances, pre-existing wiring, load calculations of pre-existing wiring, existing panels, existing circuit breakers, switches, receptacles, hoods, pipes, damage to vehicles, roofs, gutters, light bulbs, carpet, tile, linoleum, counters, sinks or fuses. Installation of lights and fans includes one time setup only. -When any work is done to the exterior of your home SCS will try to protect integrity of the exterior. If any holes or changes are needed to the exterior/roof SCS will temporarily patch them at owners request, but most silicon patches and stucco patches need to be recoated after initial patch or sealing. Please do not consider job completed until patches or seals have been finalized and tested with water. -Roof patches or modifications made by SCS should be considered temporary. SCS recommends customer to secure a roofing professional to inspect and make permanent roof repairs as required.

**Unforeseen conditions** -SCS is not responsible for any unforeseen conditions in the workplace. Any new conditions, such as asbestos discovered mid project, will trigger a change in scope of work between the contractor and the owner. Unless otherwise indicated in this quotation, trenching services are for unobstructed soil conditions; trenching through rocky or obstructed soil conditions will be quoted additionally. Unforeseen conditions such as, but not limited to, the following: asbestos or chemical contamination, collapsed or damaged pipes, unmarked buried pipes, unknown studs or cross members, existing wiring, pre-existing code violations, pre-existing load calculations or lack thereof, enclosed or hidden junction boxes, physical obstructions or any condition arising that was not previously discussed and written on this contract. If any such conditions arise, a SCS reserves the right will re-evaluate the job and price, rewrite the contract or create a change order. If any such conditions arise, SCS agrees to complete work based on a mutually agreed change order. If changes cannot be defined and agreed, fees for work already performed will be due.

**Continuity of Work Schedule and Material Costs:** This contract remains valid in spite of schedule delays. Changes to work schedules will be accommodated on a best effort basis. -In the event of significant shifts in material availability or costs, SCS and customer agree that incremental cost increases shall be added to this contract price; if customer is unwilling to accept such increases in the contract price, the contract may be terminated upon customer's payment-in-full of the outstanding balance. -If work must be terminated prematurely, for no fault of SCS, customer is responsible to pay SCS for work performed prior to termination. Final payment is due and payable at the cessation of work.

**Prevailing Law, Jurisdiction and Limitations** -All disputes or claims arising out of this contract shall be resolved under California State law. **Utility Company Fees, Regulatory Agency Fees and Infrastructure Losses:** SCS is not responsible for utility company or regulatory agency mandated equipment upgrades, fees, assessments or penalties. This include fee's before, during, or after projects are completed. SCS is not responsible for damage or losses to underground components, overhead wires, aerial emplacements, concrete, landscaping, pavers, retaining walls, pipes, fences or any other damage caused by SCS efforts to perform under this contract.

Commercial General Liability Insurance, Workers' Compensation Insurance: SCS maintains General Commercial Liability Insurance of \$1,000,000 per occurrence/\$2,000,000 aggregate. Call IGA Insurance Company at 800-800-0442 to verify SCS coverage. SCS carries worker's compensation insurance for all employees. Customer may be named an additional insured. SCS shall obtain the necessary permits as required by the local jurisdiction.

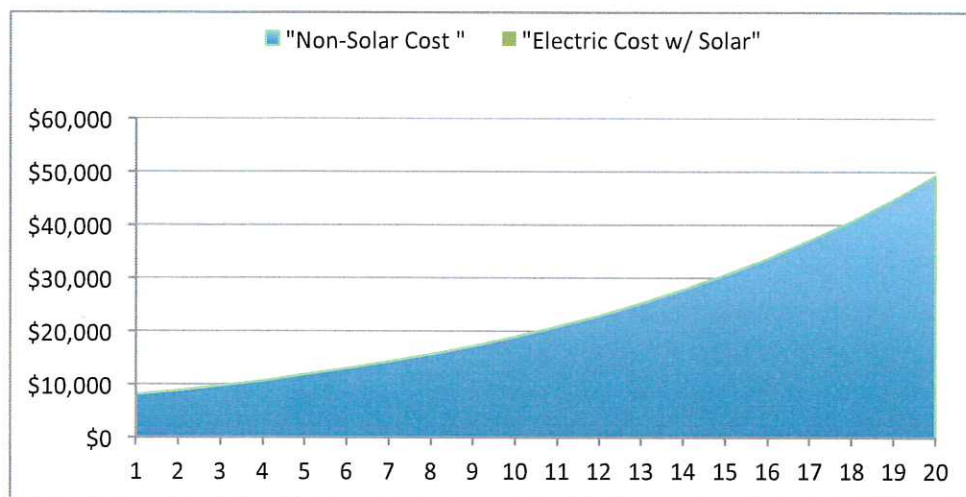
Permits: Costs for permits and associated fees shall be passed on to the customer. If the customer elects to secure permits, SCS is not responsible for their adequacy or for assisting in the inspection processes.

**Commence work notice:** Failure by the contractor without lawful excuse to substantially commence work within 20 days from the approximate date specified in the contract when work will begin is a violation of the Contractors' State License Law

Notices regarding this contract may to be sent to: 842 HIGHWAY 88, Jackson, CA 95642 or faxed to 209-755-6200 or emailed to [sales@sunnycalsolar.com](mailto:sales@sunnycalsolar.com)

## Estimated Performance Analysis For Solar System

Historic monthly Usage: 2150 kW hrs      Monthly Solar Production: 2137 kW hrs  
 Production losses due to azimuth, shade & slope: 13.6%      Assumed Peak Production : 5.6 hrs/day



Historic Electric Bill +  
New Usage +  
Propane:

**\$516**

Estimated New Electric Bill

**\$3**

Savings per mo. at year 1:

**\$513**

Savings per mo. at year 5:

**\$889**

Savings per mo. at year 10:

**\$1,574**

Savings per mo. at year 20:

**\$4,084**

Cooling & TOU Benefit

**0%**

Total Savings at year 20 :

**\$458,912**

IRR:

**28.2%**

Estimated Tax Benefit:

**\$16,412**

\*Above payments are based on cash purchase

\*Above bill charges are based on 10% escalation in electric rates

\* Assumed change in usage: 0%

All estimates are based upon the best available customer-supplied data and modeling techniques, actual results may vary due to changes in consumption habits, solar production and utility rates.





# VALLEY SOLAR

14 kW

Prepared For

Amador Transit

(209) 304-0655

jeff@amadortransit.com

Prepared By

Kevin Robinson

(916) 254-5111

kevinr@valleysolar.net

9/10/2019

Since 2004, Valley Solar, Inc. has been providing energy saving solutions to commercial and residential clients. With a turn-key process, Valley Solar can deliver a seamless installation using the latest technology and longest warrantied equipment. Valley Solar has lending partners that can help find financing for clients to maximize the payback and minimize up front costs. Valley Solar's clients have been SAVING WITH SOLAR for over 12 years!



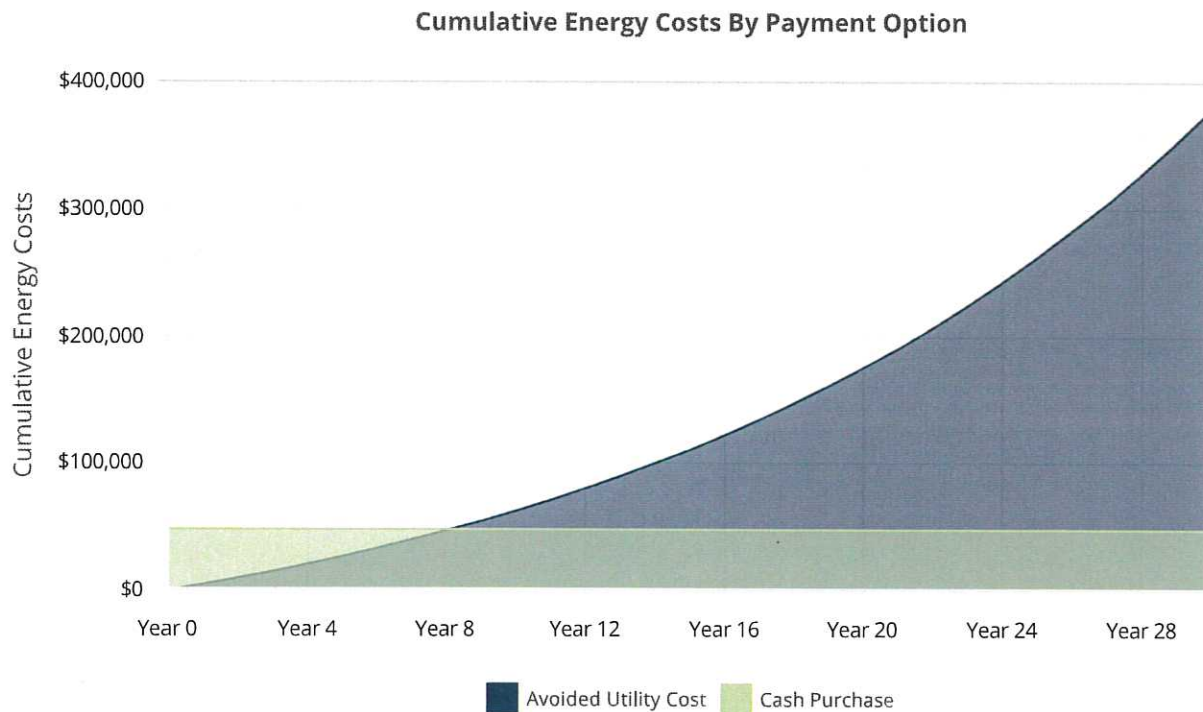
# 1 Project Summary

Payment Options	Cash Purchase
Upfront Payment	\$48,000
Total Payments	\$48,000
Rebates and Incentives	-
Net Payments	\$48,000
30-Year Electric Bill Savings	\$378,496
30-Year IRR	15.09%
30-Year LCOE PV	\$0.076
30-Year NPV	\$109,254
Payback Period	8.1 Years

Combined Solar PV Rating

Power Rating: 14,060 W-DC

Power Rating: 12,310 W-AC-CEC





Amador Transit, 115 Valley View Way Sutter Creek, CA 95685

### Report

**Project Name** Amador Transit  
**Project Address** 115 Valley View Way Sutter Creek, CA 95685  
**Prepared By** Brad Price  
 brad@valleysolar.net



**VALLEY SOLAR**

### System Metrics

**Design** Design 2  
**Module DC Nameplate** 14.1 kW  
**Inverter AC Nameplate** 14.5 kW  
 Load Ratio: 0.97  
**Annual Production** 20.84 MWh  
**Performance Ratio** 80.2%  
**kWh/kWp** 1,482.5  
**Weather Dataset** TMY, 10km Grid (38.35,-120.85), NREL (prospector)  
**Simulator Version** 4d6edba2b5-436c729064-83c08703af-367f3a1886

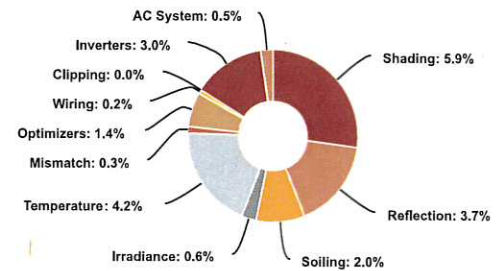
### Project Location



### Monthly Production



### Sources of System Loss



### Annual Production

Description	Output	% Delta
Annual Global Horizontal Irradiance	1,875.9	
POA Irradiance	1,848.5	-1.5%
Shaded Irradiance	1,739.9	-5.9%
Irradiance after Reflection	1,676.3	-3.7%
Irradiance after Soiling	1,642.7	-2.0%
<b>Total Collector Irradiance</b>	<b>1,641.4</b>	<b>-0.1%</b>
Nameplate	23,105.1	
Output at Irradiance Levels	22,966.4	-0.6%
Output at Cell Temperature Derate	21,992.3	-4.2%
Output After Mismatch	21,934.5	-0.3%
Optimizer Output	21,627.4	-1.4%
Optimal DC Output	21,591.3	-0.2%
Constrained DC Output	21,591.2	0.0%
Inverter Output	20,948.2	-3.0%
<b>Energy to Grid</b>	<b>20,843.4</b>	<b>-0.5%</b>

### Temperature Metrics

Avg. Operating Ambient Temp 18.6 °C  
 Avg. Operating Cell Temp 27.4 °C

### Simulation Metrics

Operating Hours 4682  
 Solved Hours 4682

### Condition Set

Description	Condition Set 1											
Weather Dataset	TMY, 10km Grid (38.35,-120.85), NREL (prospector)											
Solar Angle Location	Meteo Lat/Lng											
Transposition Model	Perez Model											
Temperature Model	Sandia Model											
Temperature Model Parameters	Rack Type		a		b		Temperature Delta					
	Fixed Tilt		-3.56		-0.075		3°C					
	Flush Mount		-2.81		-0.0455		0°C					
Soiling (%)	J	F	M	A	M	J	J	A	S	O	N	D
	2	2	2	2	2	2	2	2	2	2	2	2
Irradiation Variance	5%											
Cell Temperature Spread	4° C											
Module Binning Range	-2.5% to 2.5%											
AC System Derate	0.50%											
Module Characterizations	Module						Characterization					
	JAM72503-370/PR (JA Solar)						Spec Sheet Characterization, PAN					
Component Characterizations	Device						Characterization					
	SE14.4KUS (SolarEdge Technologies)						CEC Efficiency Curve 2015-09-05					
	P800S (SolarEdge)						Mfg Spec Sheet					

### Components

Component	Name	Count
Inverters	SE14,4KUS (SolarEdge Technologies)	1 (14.5 kW)
Strings	10 AWG (Copper)	3 (112.9 ft)
Optimizers	P800S (SolarEdge)	20 (16.0 kW)
Module	JA Solar, JAM72S03-370/PR (370W)	38 (14.1 kW)

### Wiring Zones

Description	Combiner Poles	String Size	Stringing Strategy
Wiring Zone	12	7-17	Along Racking

### Field Segments

Description	Racking	Orientation	Tilt	Azimuth	Intrarow Spacing	Frame Size	Frames	Modules	Power
Field Segment 1	Fixed Tilt	Portrait (Vertical)	10°	275°	0.0 ft	1x1	44	38	14.1 kW

### Detailed Layout





# Three Phase Inverters for the 120/208V Grid for North America

SE9KUS / SE14.4KUS



INVERTERS

## The best choice for SolarEdge enabled systems

- Specifically designed to work with power optimizers
- Built-in module-level monitoring
- Quick and easy inverter commissioning directly from a smartphone using the SolarEdge SetApp
- Integrated arc fault protection and rapid shutdown for NEC 2014 and 2017, per article 690.11 and 690.12
- Internet connection through Ethernet or Wireless
- Integrated Safety Switch
- Fixed voltage inverter for longer strings
- Supplied with RS485 Surge Protection, to better withstand lightning events
- UL1741 SA certified, for CPUC Rule 21 grid compliance
- Small, lightweight, and easy to install outdoors or indoors on provided bracket

# Three Phase Inverters for the 120/208V Grid<sup>(1)</sup> for North America

## SE9KUS / SE14.4KUS

MODEL NUMBER	SE9KUS		SE14.4KUS
APPLICABLE TO INVERTERS WITH PART NUMBER		SEXK-XXXXXBXX4	
OUTPUT			
Rated AC Power Output	9000	14400	VA
Maximum AC Power Output	9000	14400	VA
Output Line Connections	3 phase, 3-wire / PE (L1-L2-L3), TN, TT 3 phase, 4-wire / PE (L1-L2-L3-N), TN, TT		
AC Output Voltage Minimum-Nominal-Maximum <sup>(2)</sup> (L-N)	105-120-132.5		Vac
AC Output Voltage Minimum-Nominal-Maximum <sup>(2)</sup> (L-L)	183-208-229		Vac
AC Frequency Min-Nom-Max <sup>(2)</sup>	59.3 - 60 - 60.5		Hz
x. Continuous Output Current (per Phase)	25	40	A
GFDI Threshold	1		A
Utility Monitoring, Islanding Protection, Country Configurable Set Points	Yes		
THD	≤ 3		%
INPUT			
Maximum DC Power (Module STC)	12150	19400	W
Transformer-less, Ungrounded	Yes		
Maximum Input Voltage DC to Gnd	250	300	Vdc
Maximum Input Voltage DC+ to DC-	500	600	Vdc
Nominal Input Voltage DC to Gnd	200		Vdc
Nominal Input Voltage DC+ to DC-	400		Vdc
Maximum Input Current	26.5	38	Adc
Maximum Input Short Circuit Current	45		Adc
Reverse-Polarity Protection	Yes		
Ground-Fault Isolation Detection	1MΩ Sensitivity	350kΩ Sensitivity <sup>(3)</sup>	
CEC Weighted Efficiency	96.5	97	%
Night-time Power Consumption	< 3	< 4	W
ADDITIONAL FEATURES			
Supported Communication Interfaces	RS485, Ethernet, Built-in Cellular (Optional)		
Inverter Commissioning	With the SetApp mobile application using built-in Wi-Fi access point for local connection		
Rapid Shutdown – NEC 2014 and 2017 690.12	Automatic Rapid Shutdown upon AC Grid Disconnect		
RS485 Surge Protection Plug-in	Supplied with the inverter		
Smart Energy Management	Export Limitation		
STANDARD COMPLIANCE			
Safety	UL1741, UL1741 SA, UL1699B, CSA C22.2, Canadian AFCI according to T.I.L. M-07		
Grid Connection Standards	IEEE1547, Rule 21, Rule 14 (HI)		
Emissions	FCC part15 class B		
INSTALLATION SPECIFICATIONS			
AC output conduit size / AWG range	3/4" minimum / 8-4 AWG		
DC input conduit size / AWG range	3/4" minimum / 12-6 AWG		
Number of DC inputs	2 pairs	3 pairs <sup>(4)</sup>	
Dimensions (H x W x D)	21 x 12.5 x 10.5 / 540 x 315 x 260		in / mm
Dimensions with Safety Switch (H x W x D)	30.5 x 12.5 x 10.5 / 775 x 315 x 260		in / mm
Weight	99.5 / 45		lb / kg
Weight with Safety Switch	106 / 48		lb / kg
Cooling	Fans (user replaceable)		
Noise	< 55		dBA
Operating Temperature Range	-40 to +140 / -40 to +60 <sup>(5)</sup>		°F / °C
Protection Rating	NEMA 3R		

(1) For 277/480V inverters refer to: <https://www.solaredge.com/sites/default/files/se-three-phase-us-inverter-277-480v-setapp-datasheet.pdf>

(2) For other regional settings please contact SolarEdge support

(3) Where permitted by local regulations

(4) Field replacement kit for 1 pair of inputs P/N: DCD-3PH-1TBK; Field replacement kit for 3 pairs of fuses and holders P/N: DCD-3PH-6FHK-S1

(5) For power de-rating information refer to: <https://www.solaredge.com/sites/default/files/se-temperature-derating-note-na.pdf>



# Harvest the Sunshine

**Mono**

**370W PERC Double Glass Module**

**JAM72D00 350-370/PR Series**

## Introduction

These double-glass modules are powered by PERC cells to provide high power output with higher energy generation at low-irradiance conditions and better temperature-dependent performance, as well as excellent reliability and durability during the lifespan of their deployment in the field.



PID resistant and free of snail trails



Increased module robustness to minimize micro-cracks



Fire class A enhanced safety

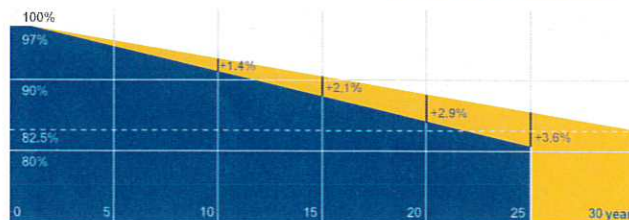


Suitable for harsh environments, such as coasts, deserts and lakes

## Superior Warranty

- 12-year product warranty
- 30-year linear power output warranty

**0.5% Annual Degradation Over 30 years**



■ Additional Value From 30-Year Warranty ■ JA Standard

## Comprehensive Certificates

- IEC 61215, IEC 61730, IEC TS 62804, IEC 61701, IEC 62716, IEC 60068-2-68
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- OHSAS 18001: 2007 Occupational health and safety management systems
- IEC TS 62941: 2016 Terrestrial photovoltaic (PV) modules – Guidelines for increased confidence in PV module design qualification and type approval



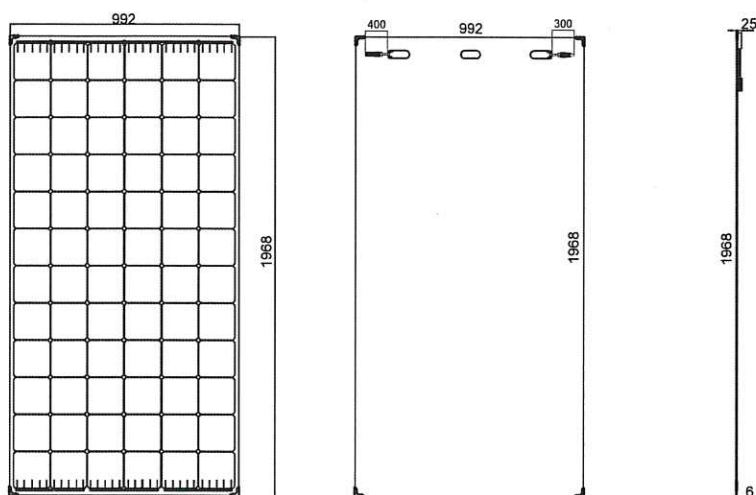
# JA SOLAR

[www.jasolar.com](http://www.jasolar.com)

Specifications subject to technical changes and tests.  
JA Solar reserves the right of final interpretation.



## MECHANICAL DIAGRAMS



Remark: customized cable length available upon request

## SPECIFICATIONS

Cell	Mono
Weight	28kg±3%
Dimensions	1968mm×992mm×6mm (1968mm×992mm×25mm with junction box)
Cable Cross Section Size	4mm <sup>2</sup>
No. of cells	72(6x12)
Junction Box	IP68, 3 diodes
Connector	QC 4,10-35
Packaging Configuration	30 Per Pallet

## ELECTRICAL PARAMETERS AT STC

TYPE	JAM72D00 ~350/PR	JAM72D00 ~355/PR	JAM72D00 ~360/PR	JAM72D00 ~365/PR	JAM72D00 ~370/PR
Rated Maximum Power(P <sub>max</sub> ) [W]	350	355	360	365	370
Open Circuit Voltage(V <sub>oc</sub> ) [V]	47.28	47.59	47.90	48.18	48.43
Maximum Power Voltage(V <sub>mp</sub> ) [V]	38.72	38.93	39.18	39.45	39.70
Short Circuit Current(I <sub>sc</sub> ) [A]	9.52	9.58	9.65	9.72	9.78
Maximum Power Current(I <sub>mp</sub> ) [A]	9.04	9.12	9.19	9.26	9.32
Module Efficiency [%]	18.0	18.2	18.4	18.7	19.0
Power Tolerance	0~+5W				
Temperature Coefficient of I <sub>sc</sub> (α <sub>Isc</sub> )	+0.059%/°C				
Temperature Coefficient of V <sub>oc</sub> (β <sub>Voc</sub> )	-0.300%/°C				
Temperature Coefficient of P <sub>max</sub> (γ <sub>Pmp</sub> )	-0.380%/°C				

STC Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM1.5G

Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

## ELECTRICAL PARAMETERS AT NOCT

TYPE	JAM72D00 ~350/PR	JAM72D00 ~355/PR	JAM72D00 ~360/PR	JAM72D00 ~365/PR	JAM72D00 ~370/PR
Rated Max Power(P <sub>max</sub> ) [W]	259	263	266	270	274
Open Circuit Voltage(V <sub>oc</sub> ) [V]	43.68	43.88	44.10	44.41	44.63
Max Power Voltage(V <sub>mp</sub> ) [V]	35.92	35.94	36.20	36.40	36.65
Short Circuit Current(I <sub>sc</sub> ) [A]	7.63	7.70	7.76	7.81	7.86
Max Power Current(I <sub>mp</sub> ) [A]	7.21	7.31	7.36	7.42	7.47

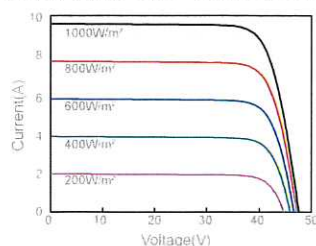
NOCT Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1m/s, AM1.5G

## OPERATING CONDITIONS

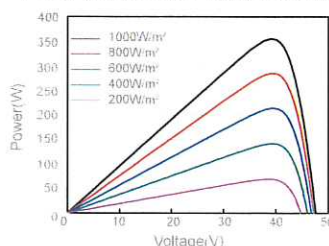
Maximum System Voltage	1500V DC(IEC)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	20A
Maximum Static Load,Front	5400Pa
Maximum Static Load,Back	2400Pa
NOCT	45±2°C
Application Class	Class A

## CHARACTERISTICS

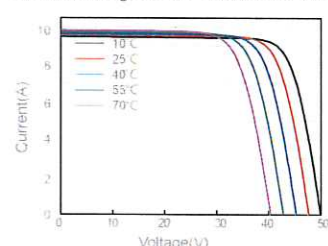
Current-Voltage Curve JAM72D00-355/PR



Power-Voltage Curve JAM72D00-355/PR



Current-Voltage Curve JAM72D00-355/PR







## SolarEdge Power Optimizer

Module Add-On For North America

P300 / P400 / P405



POWER OPTIMIZER

### PV power optimization at the module-level

- Up to 25% more energy
- Superior efficiency (99.5%)
- Mitigates all types of module mismatch losses, from manufacturing tolerance to partial shading
- Flexible system design for maximum space utilization
- Fast installation with a single bolt
- Next generation maintenance with module-level monitoring
- Module-level voltage shutdown for installer and firefighter safety





# SolarEdge Power Optimizer

Module Add-On for North America

P300 / P400 / P405

	P300 (for 60-cell modules)	P400 (for 72 & 96-cell modules)	P405 (for thin film modules)	
INPUT				
Rated Input DC Power <sup>(1)</sup>	300	400	405	W
Absolute Maximum Input Voltage (Voc at lowest temperature)	48	80	125	Vdc
MPPT Operating Range	8 - 48	8 - 80	12.5 - 105	Vdc
Maximum Short Circuit Current (Isc)		10		Adc
Maximum DC Input Current		12.5		Adc
Maximum Efficiency		99.5		%
Weighted Efficiency		98.8		%
Overvoltage Category		II		
OUTPUT DURING OPERATION (POWER OPTIMIZER CONNECTED TO OPERATING INVERTER)				
Maximum Output Current		15		Adc
Maximum Output Voltage		60	85	Vdc
OUTPUT DURING STANDBY (POWER OPTIMIZER DISCONNECTED FROM INVERTER OR INVERTER OFF)				
Safety Output Voltage per Power Optimizer		1		Vdc
STANDARD COMPLIANCE				
EMC	FCC Part15 Class B, IEC61000-6-2, IEC61000-6-3			
Safety	IEC62109-1 (class II safety), UL1741			
RoHS	Yes			
INSTALLATION SPECIFICATIONS				
Maximum Allowed System Voltage		1000		Vdc
Dimensions (W x L x H)	Pxxx-2 series	141 x 212 x 40.5 / 5.55 x 8.34 x 1.59		mm / in
	Pxxx-5 series	128 x 152 x 27.5 / 5 x 5.97 x 1.08	128 x 152 x 35 / 5 x 5.97 x 1.37	128 x 152 x 48 / 5 x 5.97 x 1.89
Weight (including cables)	Pxxx-2 series	950 / 2.1		gr / lb
	Pxxx-5 series	770 / 1.7	930 / 2.05	930 / 2.05
Input Connector		MC4 Compatible		
Output Wire Type / Connector		Double Insulated; Amphenol		
Output Wire Length		0.95 / 3.0	1.2 / 3.9	m / ft
Operating Temperature Range		-40 - +85 / -40 - +185		°C / °F
Protection Rating	Pxxx-2 series	IP65 / NEMA4		gr / lb
	Pxxx-5 series	IP68 / NEMA6P		gr / lb
Relative Humidity		0 - 100		%

<sup>(1)</sup> Rated STC power of the module. Module of up to +5% power tolerance allowed.

PV SYSTEM DESIGN USING A SOLAREEDGE INVERTER <sup>(2)</sup>	SINGLE PHASE	THREE PHASE 208V	THREE PHASE 480V	
Minimum String Length (Power Optimizers)	8	10	18	
Maximum String Length (Power Optimizers)	25	25	50	
Maximum Power per String	5250	6000	12750	W
Parallel Strings of Different Lengths or Orientations		Yes		

<sup>(2)</sup> It is not allowed to mix P405 with P300/P350/P400/P600/P700 in one string.





[www.BTASolar.com](http://www.BTASolar.com)

CA License # 841362

BTA Solar & Electrical Services, Inc.  
P.O. Box 188  
Linden, CA 95236

Phone: 209-483-2991  
Fax: 209-464-5478  
Email: RichR@BTASolar.com

## QUOTATION

<b>CUSTOMER:</b>	<b>SERVICE ADDRESS:</b>	Current Utility:	PG&E
Amador Transit	115 Valley View Way	Rate Schedule:	
(209)304-0655c/267-8157w		Res/Comm/Ag:	COMMERCIAL
		Annual kWh:	24,905
		Annual Amount:	\$ 5,837

304-0655c

Date	Quote #	For Office Use Only	Sales Rep.	Terms
07/29/19			Rich Remington	Good for 120 days

Quantity	Part #	Description	Unit Price	Total
46	AXN6P612T370	370 AUXIN SOLAR MODULES		\$ 43,400
2	SB7.7-1SP-US-40	SMA AMERICA INVERTERS 7.7 Watt Inverter		

Quote includes sales tax, utility interconnection paperwork, and county/city permits.

Engineering review/stamp and structural enhancements not to exceed \$250. Any PG&E transformer upgrades would be the responsibility of the customer.

Peak Rating of **15.153** kilowatts (kW) is expected to generate in excess of **25,702** kilowatt hours (kWh) annually.

\$2.55 per DC

Installed	\$ 43,400
*Est. Rebates	
<b>PRE-FTC NET</b>	<b>\$ 43,400</b>
*Estimate Federal Tax Credit (30% of Post Rebate Cost)	
<b>POST-FTC NET</b>	<b>\$ 43,400</b>
Basis for Depreciation	
Credit, dependent on tax bracket (Assuming 30%)	\$ -
<b>FINAL NET COST</b>	<b>\$ 43,400</b>

Accepted By:

Date:

Customer

BTA Solar



## AXN6M SERIES

**340 – 385 WATT**

**72 CELL MONO-CRYSTALLINE PV MODULES**



**Proudly Manufactured in the USA**



**Available in Standard and Black**



**Industry Leading High Efficiency  
Modules up to 19.1%**



**Industry Leading 91.9% PTC Rating  
UL 1703 Fire Rating Type 2**



**Modules Shipped with Positive Tolerance**



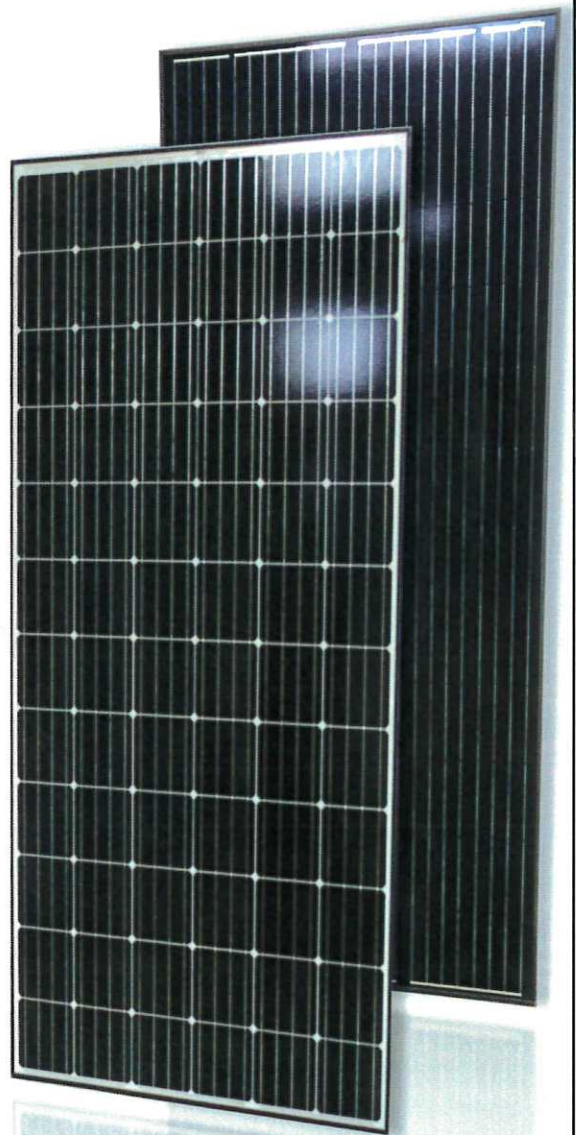
**3rd Party Reliability Testing**



**25 Year Linear Performance Warranty  
10 Year Workmanship Warranty**



**Anti-reflective coating on glass**

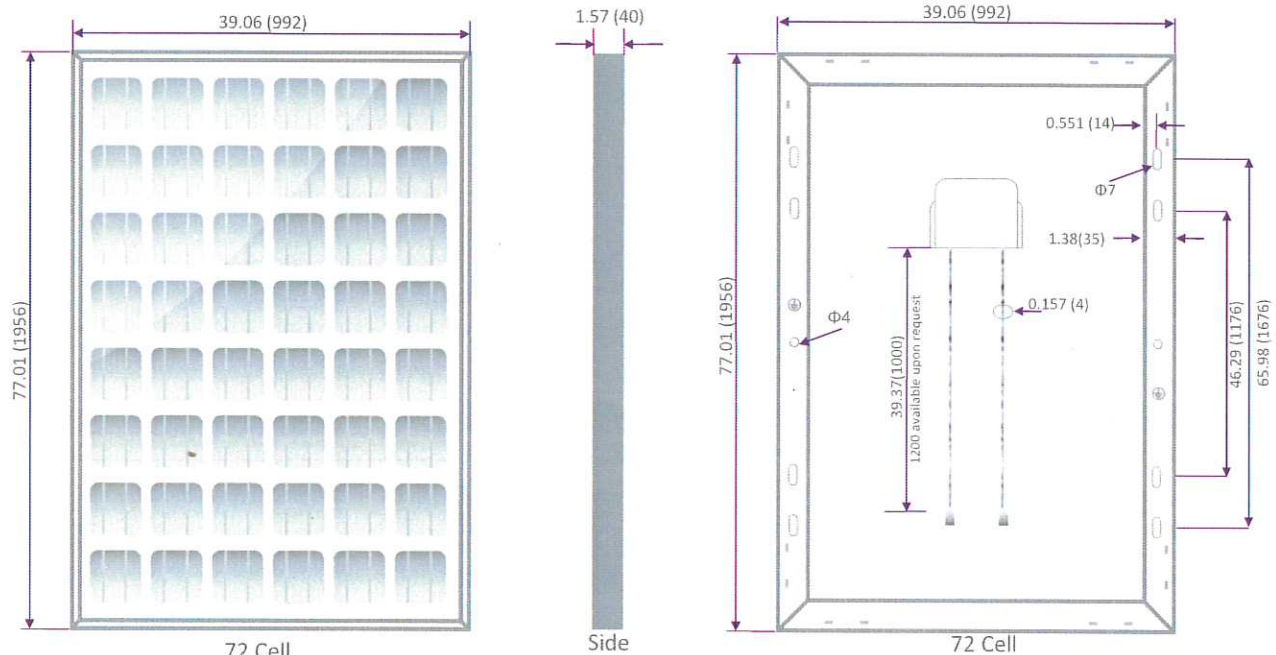


*Specifications subject to change without notice.*

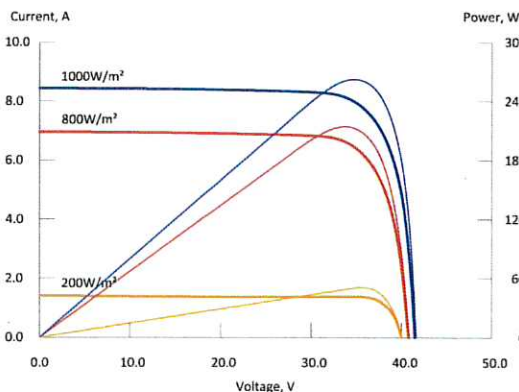
# AXN6M SERIES

Maximum Power (+3%)	340	345	350	355	360	365	370	375	380	385
Voc (V)	47.18	47.28	47.37	47.47	47.56	47.66	47.75	47.85	47.94	48.04
Isc (A)	9.64	9.72	9.81	9.90	9.99	10.08	10.17	10.26	10.35	10.45
Vmp (V)	38.32	38.40	38.48	38.55	38.63	38.71	38.78	38.86	38.94	39.02
Imp (A)	8.96	8.98	9.10	9.21	9.32	9.43	9.54	9.65	9.76	9.87
Module Efficiency (%)	17.5%	17.8%	18.0%	18.3%	18.6%	18.8%	19.1%	19.3%	19.6%	19.8%

Series Fuse Rating	20A
Junction Box Protection	IP65/IP67
Maximum System Voltage	VDC1000
Operating Temperature	-40°C to 85°C
Number of Cells	72 (6" Mono)
Connector Type	MC4/Tyco compatible - based on customer request
Fire Rating	UL1703 Type 2



Units provided as: inches (mm)



Current & Voltage Power & Voltage

Mechanical Characteristics			
Frame	Anodized Aluminum (Silver and Black)		
Dimension (L x W x D)	77.01" x 39.06" x 1.57" / 1956mm x 992mm x 40mm		
Weight/pc	21.4kg/47.2lbs		
Pallet	26 pcs		
Loading/container	312pcs/20'; 624pcs/40'; 754pcs/53'		
Maximum wind load	30 lbs/ft²		
Temperature Coefficients		Standard Test Conditions (STC)	
NOCT	46.7°C	Irradiance	1000W/m²
Short circuit current	+0.04%/C	Module Temperature	25 °C
Open circuit voltage	-0.28%/C	AM	1.5
Max power output	-0.38%/C		

Specifications subject to change without notice

Auxin Solar, 6835 Via Del Oro, San Jose, CA 95119, USA

+1 408 225-4380 (office), +1 408 868 4933 (fax)

salesusa@auxinsolar.com

www.auxinsolar.com





# SUNNY BOY 3.0-US / 3.8-US / 5.0-US / 6.0-US / 7.0-US / 7.7-US



## Value-Added Improvements

- World's first Secure Power Supply now offers up to 2,000 W
- Full grid management capabilities ensure a utility-compliant solution for any market

## Reduced Labor

- New Installation Assistant with direct access via smartphone minimizes time in the field
- Integrated disconnect simplifies equipment stocking and speeds installation

## Unmatched Flexibility

- SMA's proprietary OptiTrac™ Global Peak technology mitigates shade with ease
- Multiple independent MPPTs accommodate hundreds of stringing possibilities

## Trouble-Free Servicing

- Two-part enclosure concept allows for simple, expedited servicing
- Enhanced AFCI technology reduces false tripping while improving sensitivity in real arcs

## SUNNY BOY 3.0-US / 3.8-US / 5.0-US / 6.0-US / 7.0-US / 7.7-US

Reduce costs across your entire residential business model

The residential PV market is changing rapidly, and we understand that your bottom line matters more than ever. That's why we've designed a superior residential solution that will help you decrease costs throughout all stages of your business operations. The Sunny Boy 3.0-US/3.8-US/5.0-US/6.0-US/7.0-US/7.7-US join the SMA lineup of field-proven solar technology backed by the world's #1 service team, along with a wealth of improvements. Simple design, improved stocking and ordering, value driven sales support and streamlined installation are just some of the ways that SMA is working to help your business operate more efficiently.

## Technical data

### Input (DC)

Max. usable DC power

Max. DC voltage

Rated MPP voltage range

MPPT operating voltage range

Min. DC voltage / start voltage

Max. operating input current per MPPT

Max. short circuit current per MPPT

Number of MPPT tracker / string per MPPT tracker

### Output (AC)

AC nominal power

Max. AC apparent power

Nominal voltage / adjustable

AC voltage range

AC grid frequency

Max. output current

Power factor (cos  $\phi$ )

Output phases / line connections

Harmonics

### Efficiency

Max. efficiency

CEC efficiency

### Protection devices

DC disconnect device

DC reverse polarity protection

Ground fault monitoring / Grid monitoring

AC short circuit protection

All-pole sensitive residual current monitoring unit (RCMU)

Arc fault circuit interrupter (AFCI)

Protection class / overvoltage category

### General data

Dimensions (W / H / D) in mm (in)

Packaging Dimensions (W / H / D) in mm (in)

Weight

Packaging weight

Operating temperature range

Noise emission (typical)

Internal power consumption at night

Topology

Cooling concept

### Features

Secure Power Supply

Display (2 x 16 characters)

Interfaces: Ethernet / WLAN

Sensor module / External WLAN antenna

Warranty: 10 / 15 / 20 years

Certificates and approvals

● Standard features ○ Optional features — Not available

Type designation

### Accessories



Sensor module  
MD.SEN-US-40



External WLAN antenna  
EXTANT-US-40

## Sunny Boy 3.0-US

208 V

240 V

## Sunny Boy 3.8-US

208 V

240 V

## Sunny Boy 5.0-US

208 V

240 V

3100 W

3100 W

3450 W

4000 W

5150 W

5150 W

155 - 480 V

600 V

195 - 480 V

100 - 550 V

100 V / 125 V

10 A

18 A

2 / 1

3 / 1

3000 W

3000 W

3330 W

3800 W

5000 W

5000 W

3000 VA

3000 VA

3330 VA

3800 VA

5000 VA

5000 VA

208 V / ●

240 V / ●

208 V / ●

240 V / ●

208 V / ●

240 V / ●

183 - 229 V

211 - 264 V

183 - 229 V

211 - 264 V

183 - 229 V

211 - 264 V

60 Hz / 50 Hz

14.5 A

12.5 A

16.0 A

16.0 A

24.0 A

24.0 A

1

1 / 2

< 4 %

97.2 %

97.6 %

97.2 %

97.5 %

97.2 %

97.5 %

96 %

96.5 %

96.5 %

96.5 %

96.5 %

97 %

●

●

●

●

●

●

1 / IV

535 x 730 x 198 (21.1 x 28.5 x 7.8)

600 x 800 x 300 (23.6 x 31.5 x 11.8)

26 kg (57 lb)

30 kg (66 lb)

- 25 °C ... +60 °C

39 dB(A)

< 5 W

Transformerless

Convection

●

●

● / ●

○ / ○

● / ○ / ○

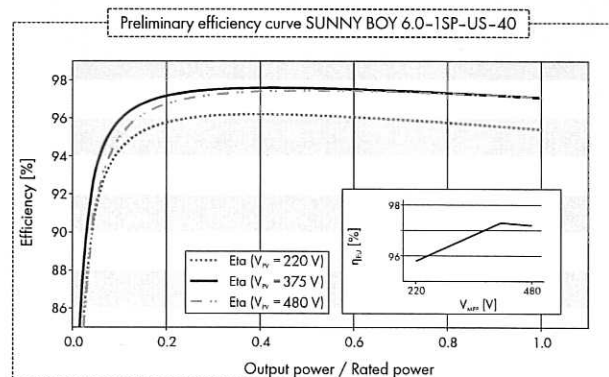
UL 1741, UL 1998, UL 1699B, IEEE1547, FCC Part 15 (Class A & B), CAN/CSA V22.2 107.1-1

Data at nominal conditions NOTE: US inverters ship with gray lids.

SB3.0-1SP-US-40

SB3.8-1SP-US-40

SB5.0-1SP-US-40



Technical data	Sunny Boy 6.0-US		Sunny Boy 7.0-US		Sunny Boy 7.7-US	
	208 V	240 V	208 V	240 V	208 V	240 V
<b>Input (DC)</b>						
Max usable DC power	5400 W	6200 W	6900 W	7200 W	6900 W	7950 W
Max. DC Voltage				600 V		
Rated MPP Voltage range	220 - 480 V		245 - 480 V		270 - 480 V	
MPPT operating voltage range			100 - 550 V			
Min. DC voltage / start voltage			100 V / 125 V			
Max. operating input current per MPPT			10 A			
Max. short circuit current per MPPT			18 A			
Number of MPPT tracker / string per MPPT tracker			3 / 1			
<b>Output (AC)</b>						
AC nominal power	5200 W	6000 W	6660 W	7000 W	6660 W	7680 W
Max. AC apparent power	5200 VA	6000 VA	6660 VA	7000 VA	6660 VA	7680 VA
Nominal voltage / adjustable	208 V / ●	240 V / ●	208 V / ●	240 V / ●	208 V / ●	240 V / ●
AC voltage range	183 - 229 V	211 - 264 V	183 - 229 V	211 - 264 V	183 - 229 V	211 - 264 V
AC grid frequency			60 Hz / 50 Hz			
Max. output current	25.0 A	25.0 A	32.0 A	29.2 A	32.0 A	32.0 A
Power factor (cos φ)			1			
Output phases / line connections			1 / 2			
Harmonics			< 4 %			
<b>Efficiency</b>						
Max. efficiency	97.2 %	97.6 %	97.1 %	97.5 %	97.1 %	97.5 %
CEC efficiency	96.5 %	97 %	96.5 %	97 %	96.5 %	97 %
<b>Protection devices</b>						
DC disconnect device			●			
DC reverse polarity protection			●			
Ground fault monitoring / Grid monitoring			●			
AC short circuit protection			●			
All-pole sensitive residual current monitoring unit (RCMU)			●			
Arc fault circuit interrupter (AFCI)			●			
Protection class / overvoltage category			I / IV			
<b>General data</b>						
Dimensions (W / H / D) in mm (in)			535 x 730 x 198 (21.1 x 28.5 x 7.8)			
Packaging Dimensions (W / H / D) in mm (in)			600 x 800 x 300 (23.6 x 31.5 x 11.8)			
Weight			26 kg (57 lb)			
Packaging weight			30 kg (66 lb)			
Operating temperature range			- 25°C ... +60°C			
Noise emission (typical)	36 dB(A)				45 dB(A)	
Internal power consumption at night			< 5 W			
Topology			Transformerless			
Cooling concept	Convection				Fan	
<b>Features</b>						
Secure Power Supply			●			
Display (2 x 16 characters)			●			
Interfaces: Ethernet / WLAN			● / ●			
Sensor module / External WLAN antenna			○ / ○			
Warranty: 10 / 15 / 20 years			● / ○ / ○			
Certificates and approvals			UL 1741, UL 1998, UL 1699B, IEEE1547, FCC Part 15 (Class A & B), CAN/CSA V22.2 107.1-1			
● Standard features    ○ Optional features    — Not available			Data at nominal conditions    NOTE: US inverters ship with gray lids.			
Type designation			SB6.0-1SP-US-40	SB7.0-1SP-US-40	SB7.7-1SP-US-40	

## SAME NAME, NEW GAME

The Sunny Boy 3.0-US through 7.7-US are once again raising the bar by offering improved performance, enhanced features, and most importantly, an economical approach to residential solar. Your business model is a value chain. The new Sunny Boy-US series can help you stay competitive in an increasingly price sensitive residential market by driving down costs across all of your business operations.







Serving Amador County Since 1977

**SUBJECT: Upcountry Route Ridership Summary**

**TO: Amador Transit Board of Directors**  
**FROM: Patricia Maggie Amarant, General Manager**  
**DATE: Oct. 3, 2019**

**RE: Discuss Upcountry Route Stats and possible modification of schedule**

At the September 5, 2019 Public Workshop meeting, the Board requested ridership information for the Upcountry routes, specifically the stops above Mace Meadows to decide whether the upcountry route should be modified to stop at Mace Meadows and not continue to Amador Station.

Ridership counts from Sept. 9<sup>th</sup> to the 27<sup>th</sup> have shown that residents living above Mace Meadows are boarding the bus at Woodland and Amador Station on the first run and returning home on either the third or fourth run of the route. There are also residents boarding the bus on the way down from Amador Station through the Sugar Pine/Mace Meadows loop.

Here is a summation of ridership counts above the Mace Meadows stop for the three-week period since Sept. 9<sup>th</sup>.

Upcountry #1	Upcountry #2	Upcountry #3	Upcountry #4
Week 1 = 8	Week 1 = 3	Week 1 = 9	Week 1 = 5
Week 2 = 5	Week 2 = 2	Week 2 = 4	Week 2 = 8
Week 3 = 7	Week 3 = 3	Week 3 = 4	Week 3 = 1
Total = 20	Total = 8	Total = 17	Total = 14

Total ridership for the three-week period = 59

- Bus average miles per gallon = 7 mi.
- Round trip mileage from Mace Meadows Dr. to Amador Station and back to Mace Meadows is 6 miles
- Above cited round trip takes less than 1 gal of gas
- Average round trip time is about 15 min. with a 2 min layover at Amador Station

The residents relying on this bus route to get into Jackson for work, school, medical appts or shopping would be greatly affected by modifying the route to exclude these stops. This would also significantly lower our overall ridership counts for this route.

Staff recommends no changes to the upcountry route at this time.



11:00 AM

09/27/19

Accrual Basis

# AMADOR TRANSIT

## Expenditure Transaction Detail By Account

August 30 through September 27, 2019

Date	Num	Name	Memo	Amount
<b>23001.1 · Payroll Liabls Total</b>				
<b>25000 · CalPERS Classic Retirement</b>				
09/09/2019	Epay	CalPERS	1899375431	3,822.15
09/09/2019	Epay	CalPERS	1899375431	2,763.92
Total 25000 · CalPERS Classic Retirement				6,586.07
<b>25100 · CalPERS 457 Plan</b>				
09/09/2019	EPAY	CalPERS 457 Plan	Plan Entity 450-694	695.00
Total 25100 · CalPERS 457 Plan				695.00
Total 23001.1 · Payroll Liabls Total				7,281.07
<b>24020 · Medical</b>				
09/27/2019	9161	Blue Shield of California	4404588	4,849.95
09/27/2019	9161	Blue Shield of California	4404588	4,028.92
09/27/2019	9159	Healthiest You	HY0747	6.00
09/27/2019	9159	Healthiest You	HY0747	24.00
Total 24020 · Medical				8,908.87
<b>24021 · Aflac</b>				
09/27/2019	9160	AFLAC	ENQ02	322.96
09/27/2019	9160	AFLAC	ENQ02	92.60
Total 24021 · Aflac				415.56
<b>24030 · Dental Liab</b>				
09/27/2019	9163	CoPower (C/O Delta De...	R29-37765	490.53
09/27/2019	9163	CoPower (C/O Delta De...	R29-37765	1,177.67
Total 24030 · Dental Liab				1,668.20
<b>24040 · Vision Liabl</b>				
09/27/2019	EPAY	Wolfpack Insurance Ser...	111352-0	93.70
09/27/2019	EPAY	Wolfpack Insurance Ser...	111352-0	156.70
Total 24040 · Vision Liabl				250.40
<b>51000 · BENEFITS</b>				
<b>51350 · WORKERS COMP INS</b>				
09/24/2019	20100228	CSAC Excess Insurance	EWC	1,429.00
09/24/2019	20150049	CSAC Excess Insurance	PWC	4,091.00
Total 51350 · WORKERS COMP INS				5,520.00
<b>51600 · UNIFORMS/WORK CLOTHES ALLOW</b>				
09/16/2019	091619	Amador Transit - Petty ...	Millikan	100.00
Total 51600 · UNIFORMS/WORK CLOTHES ALLOW				100.00
Total 51000 · BENEFITS				5,620.00
<b>52000 · SERVICES &amp; USER FEES</b>				
<b>52100 · VEHICLE TECH SERV-OUTSOURCE</b>				
09/20/2019	89566	Hewitt Alinement Service		873.84
09/20/2019	617955	Maita Chevrolet		80.00
09/27/2019	090119	Sutter Creek Car Wash		83.47
Total 52100 · VEHICLE TECH SERV-OUTSOURCE				1,037.31
<b>52150 · PROPERTY MAINTENANCE SERVICES</b>				
09/19/2019	1058	Moppin Mamas Cleanin...		600.00
09/16/2019	190922848	Orkin Services of Califo...		87.59
Total 52150 · PROPERTY MAINTENANCE SERVICES				687.59
<b>52300 · ADVERTISING &amp; MARKETING</b>				
09/16/2019	12059213599	CableTime		300.00
09/16/2019	19080080	KVGC 1340 AM		500.00

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Accrual Basis

# AMADOR TRANSIT

## Expenditure Transaction Detail By Account

August 30 through September 27, 2019

Date	Num	Name	Memo	Amount
Total 52300 · ADVERTISING & MARKETING				800.00
<b>52420 · DRUG &amp; ALCOHOL SERVICES</b>				
09/19/2019	623	New Visions		236.00
09/27/2019	627	New Visions		17.00
09/27/2019	607	New Visions		42.00
09/27/2019	612	New Visions		169.00
09/27/2019	601	New Visions		76.00
Total 52420 · DRUG & ALCOHOL SERVICES				540.00
<b>52550 · GSA COST ALLOC-(POSTAGE/PRINT)</b>				
09/13/2019	AT082019	Amador County Genera...		48.15
Total 52550 · GSA COST ALLOC-(POSTAGE/PRINT)				48.15
<b>52600 · PROFESSIONAL &amp; TECH SERVICES</b>				
09/27/2019	10363	Balancing The Books		195.83
09/27/2019	80894682	Safety Kleen		338.40
Total 52600 · PROFESSIONAL & TECH SERVICES				534.23
<b>52610 · Fees Bank, Merchant, Service</b>				
09/27/2019	9163	CoPower (C/O Delta De...	R29-37765	20.00
Total 52610 · Fees Bank, Merchant, Service				20.00
<b>52000 · SERVICES &amp; USER FEES - Other</b>				
09/16/2019	Epay	CalPERS	GASB-68 Report	700.00
Total 52000 · SERVICES & USER FEES - Other				700.00
Total 52000 · SERVICES & USER FEES				4,367.28
<b>53000 · MATERIALS &amp; SUPPLIES CONSUMED</b>				
<b>53100 · FUEL</b>				
09/16/2019	165640	Hunt & Sons, Inc.		6,106.67
09/19/2019	180976	Hunt & Sons, Inc.		5,139.44
09/20/2019	185409	Hunt & Sons, Inc.		158.39
Total 53100 · FUEL				11,404.50
<b>53150 · TIRES</b>				
09/20/2019	1-GS173983	Jackson Tire Service, Inc.		680.66
Total 53150 · TIRES				680.66
<b>53300 · VEHICLE MAINT-REPAIR PARTS</b>				
09/13/2019	02P464180	A-Z Bus Sales, Inc.		338.70
09/24/2019	02P465238	A-Z Bus Sales, Inc.		119.99
09/20/2019	13491	All Diesel Electric Inc.		188.56
09/13/2019	6228306756	Auto Zone		9.47
09/20/2019	6228316816	Auto Zone		42.25
09/16/2019	71296	Bus & Equipment Repair		293.93
09/16/2019	F008991022	Delta Truck Center		741.22
09/16/2019	F008988289:01	Delta Truck Center		684.37
09/20/2019	F008994362:01	Delta Truck Center	Header-DEF	-889.96
09/20/2019	F008992385:01	Delta Truck Center		975.08
09/16/2019	CAJAC34602	Fastenal		1.63
09/16/2019	CAJAC34512	Fastenal		7.01
09/16/2019	1264537	Maita Chevrolet		6.08
09/16/2019	1264509	Maita Chevrolet		401.76
09/16/2019	1264498	Maita Chevrolet		210.53
09/20/2019	1266449	Maita Chevrolet		90.21
09/20/2019	1264956	Maita Chevrolet		221.24
09/20/2019	1265164	Maita Chevrolet		60.60
09/16/2019	3827-279589	O'Reilly Auto Parts		53.34
09/16/2019	312-770760	Riebes Auto Parts		5.84
09/16/2019	312-775465	Riebes Auto Parts		10.17
09/16/2019	312-779298	Riebes Auto Parts		19.86
09/20/2019	781185	Riebes Auto Parts		285.12

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Accrual Basis

**AMADOR TRANSIT**  
**Expenditure Transaction Detail By Account**  
**August 30 through September 27, 2019**

Date	Num	Name	Memo	Amount
09/20/2019	780063	Riebes Auto Parts		3.53
09/20/2019	780249	Riebes Auto Parts		77.58
09/20/2019	780673	Riebes Auto Parts		30.51
09/20/2019	780249	Riebes Auto Parts		77.58
09/20/2019	83730	Ron DuPratt Ford		60.64
09/20/2019	82219	Ron DuPratt Ford		134.44
09/24/2019	092419	U.S. BANK	Serpentine Belts (Amazon)	82.18
09/24/2019	092419	U.S. BANK	inline drier (Amazon)	47.28
09/24/2019	092419	U.S. BANK	Blower Assembly (Texas Truck Inc)	482.00
09/24/2019	092419	U.S. BANK	Socket organizer (Amazon)	26.99
Total 53300 · VEHICLE MAINT-REPAIR PARTS				4,899.73
<b>53350 · SHOP SUPPLIES (Consumables)</b>				
09/16/2019	1579228	Capitol Clutch & Brake, ...		32.33
09/24/2019	CAJAC34659	Fastenal		18.95
09/24/2019	CAJAC34716	Fastenal		17.23
09/20/2019	7398626	Kimball Midwest		106.93
09/24/2019	092419	U.S. BANK	Battery Terminal (Amazon)	25.82
09/24/2019	092419	U.S. BANK	Clear pouches (Amazon)	10.99
09/24/2019	092419	U.S. BANK	Foamtape (Amazon)	20.60
09/27/2019	9004525809	Zep Sales & Service		112.02
Total 53350 · SHOP SUPPLIES (Consumables)				344.87
<b>53425 · TOWING</b>				
09/20/2019	31758	ATR		1,031.25
09/20/2019	16930	ATR		550.00
Total 53425 · TOWING				1,581.25
<b>53450 · FACILITIES MAINT/REPAIR PARTS</b>				
09/20/2019	Epay	Lowe's		795.27
09/20/2019	559481	Sierra Janitorial Supply		40.96
09/27/2019	151291	Sierra Janitorial Supply		38.58
Total 53450 · FACILITIES MAINT/REPAIR PARTS				874.81
<b>53550 · OFFICE SUPPLIES</b>				
09/16/2019	8055658680	Staples Advantage		13.75
09/24/2019	8055734472	Staples Advantage		86.14
09/24/2019	092419	U.S. BANK		114.72
Total 53550 · OFFICE SUPPLIES				214.61
<b>53750 · OTHER MATERIALS &amp; SUPPLIES</b>				
09/24/2019	092419	U.S. BANK		18.26
Total 53750 · OTHER MATERIALS & SUPPLIES				18.26
Total 53000 · MATERIALS & SUPPLIES CONSUMED				20,018.69
<b>54000 · UTILITIES</b>				
<b>54100 · AT WATER/SEWER/GARBAGE</b>				
09/13/2019	308160	Aces Waste Services, I...		105.34
09/13/2019	Epay	Amador Water Agency		129.22
Total 54100 · AT WATER/SEWER/GARBAGE				234.56
<b>54200 · AT -PGE</b>				
09/16/2019	EPAY	P.G. & E.		2.43
Total 54200 · AT -PGE				2.43
<b>54300 · TRANSIT CTR/WATER/SEWER/GARB</b>				
09/13/2019	308161	Aces Waste Services, I...		22.26
09/13/2019	Epay	Amador Water Agency		205.41
09/13/2019	Epay	Amador Water Agency		48.96
09/16/2019	09302019	City of Sutter Creek		133.32
Total 54300 · TRANSIT CTR/WATER/SEWER/GARB				409.95

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Accrual Basis

**AMADOR TRANSIT**  
**Expenditure Transaction Detail By Account**  
 August 30 through September 27, 2019

Date	Num	Name	Memo	Amount
<b>54400 · TRANSIT CENTER-PGE</b>				
09/16/2019	PGE	P.G.& E.		461.52
Total 54400 · TRANSIT CENTER-PGE				461.52
<b>54450 · TRANSIT CENTER-INTERNET</b>				
09/16/2019	Epay	Comcast		194.29
Total 54450 · TRANSIT CENTER-INTERNET				194.29
<b>54500 · OFFICE PHONES/FAX/INTERNET</b>				
09/16/2019	Epay	Comcast		453.64
Total 54500 · OFFICE PHONES/FAX/INTERNET				453.64
<b>54550 · CELLULAR SERVICE</b>				
09/24/2019	EPAY	AT& T Cell Phones		661.12
09/24/2019	092419	U.S. BANK		161.67
Total 54550 · CELLULAR SERVICE				822.79
Total 54000 · UTILITIES				2,579.18
<b>58000 · MISCELLANEOUS (NEW)</b>				
<b>58200 · TRAVEL &amp; MEETINGS</b>				
09/19/2019	09182019	Sharon Nickerson		132.24
Total 58200 · TRAVEL & MEETINGS				132.24
<b>58300 · SAFETY PROGRAM</b>				
09/24/2019	092419	U.S. BANK	CPR class supplies	67.09
Total 58300 · SAFETY PROGRAM				67.09
<b>58400 · TRAINING-Seminars &amp; Materials</b>				
09/16/2019	1050	Public Awareness Safet...		660.00
Total 58400 · TRAINING-Seminars & Materials				660.00
<b>58450 · CDL/ DOT MED/BkGrnd Checks</b>				
09/13/2019	091319	Amador Family Physicians		100.00
Total 58450 · CDL/ DOT MED/BkGrnd Checks				100.00
Total 58000 · MISCELLANEOUS (NEW)				959.33
<b>59000 · LEASES / RENTALS</b>				
<b>59100 · Leases &amp; Rentals</b>				
09/16/2019	32014	Amador County Airport		100.00
09/24/2019	65165100	Smile (Copier)		711.24
09/27/2019	65011583	Smile (Copier)	VOID:	0.00
09/11/2019	EPAY	Smile (Copier)		520.94
Total 59100 · Leases & Rentals				1,332.18
Total 59000 · LEASES / RENTALS				1,332.18
<b>60000 · CAPITAL OUTLAY</b>				
<b>60125 · Cap.Reserve-Equip. LTF/STA</b>				
09/27/2019	304943	Signal Service	will be reimbursed through 19/20 SGR. ...	5,723.38
Total 60125 · Cap.Reserve-Equip. LTF/STA				5,723.38
Total 60000 · CAPITAL OUTLAY				5,723.38
<b>TOTAL</b>				<b>59,124.14</b>