



AGENDA

Transit Advisory Board Meeting

5:30 pm-7:00 pm

Wednesday, March 15, 2023

The Operations Center

16610 Champion Way

Sandy, OR 97055

Click [here](#) for Virtual Meeting Via Zoom

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1. ROLL CALL	
2. APPROVAL OF THE DECEMBER MINUTES AND MARCH AGENDA	
2.1. TAB Minutes Decccember 2022	3 - 18
October Narrative	
November Narrative	
December Narrative	
3. CITY COUNCIL LIAISON	
4. NEW BUSINESS	
4.1. Grant Updates	
4.1.1 STIF	
4.1.2. STIF 5310	
4.1.3. STIF Discretionary	
4.1.4. FLAP	
4.2. Route Updates	
4.3. New GM	
4.4. GHG Study	
5. OLD BUSINESS	
5.1. Capital Projects	
5.2. Ridership	

6. NEIGHBOR UPDATES

7. PUBLIC COMMENT

8. ADJOURN

8.1. Next Meeting

5:30 PM-7:00 PM

Wednesday, June 21, 2023

The Operations Center

16610 Champion Way

Sandy, OR 97055



MINUTES Transit Advisory Board Meeting

5:30 pm - 7:00 pm

Wednesday, December 14, 2022

Click [here](#) for Virtual Meeting Via Zoom

1. **ROLL CALL**

Present: Andi Howell, Berenice Tynan, Caren Topliff, Heather Michet, Joseph Lowe, Khrist Alexander, Muna Rustam, Nancy Payne, Roxy Tolva, and Mayor Stan Pulliam.

2. **APPROVAL of the October Minutes and the December Agenda**

The October Minutes and December Agenda were approved.

3. **CITY COUNCIL LIAISON**

Mayor Pulliam recognized the long-time service of retiring Board Member Caren Topliff.

The Mayor announced the STFAC grant award, including a new route to the Clackamas Town Center.

4. **NEW BUSINESS**

4.1. Grant Updates

4.1.1. STIF

Sandy received funding for a route to the Clackamas Town Center. The funding includes a bus. The route is scheduled to start July 1, 2023.

4.1.2. STIF 5310

SAM has applied for renewed funding of Enhanced Mobility of Elderly and Persons with Disabilities.

4.1.3. STIF Discretionary

The City of Sandy is partnering with several agencies on funds secured for two different projects; one to do a technological needs assessment and the other to implement efares.

4.1.4. FLAP

In December 2023 FLAP funding will resume. In addition to the existing route funds, SAM and Clackamas County will receive funding to interline Estacada and the Villages Shuttles as well as adding service so both routes run seven times a day.

4.2. Route Updates

Along with the new route to the Town Center, the Shopper Shuttle will begin Saturday service in July 2023.

4.3. IGA

The City and County are working on a IGA.

5. OLD BUSINESS

5.1. Capital Projects

The electric Proterra buses are currently in build phase. PGE has completed the planning for the electrification infrastructure.

5.2. Ridership

SAM ridership continues to be the same as 2021.

6. NEIGHBOR UPDATES

Clackamas County has received funding to create a Transit Hub plan that would connect all services around the mountain.

7. PUBLIC COMMENT

None

8. ADJOURN

Meeting adjourned at 7:00 pm.

- 8.1.** Next Meeting
 - 5:30 pm -7:00 pm
 - Wednesday, June 21, 2023
 - The Operations Center*
 - 16610 Champion Way*
 - Sandy, OR 97055*

Transit Staff Report – October



SANDY AREA METRO

From the Director

The City, the County and MV Transportation were all able to come to a contract agreement. The agreement will carry through to the end of the 5 year contract period. The amendment for the agreement is included in the November 21 City Council session. This contract allows time for the City and County to conduct a thorough evaluation of rates and conduct an RFP process (which is required by the end of year 5) and not have to put time and resources toward negotiating each year or 6 months at a time. The City and the County are also currently working on an updated IGA to continue the long standing collaboration between the two transit services. In the IGA, the County pays the City for staff time spent on the County service, known as the employee support program, and for rent. It is through the employee support program that Transit was able to add an FTE in 2017, bringing City staff total to 2.8.

The City is currently working with all of the Clackamas County providers on a collaborative project to provide a one stop webpage for transit needs in the County. The webpage will have trip planning capabilities and provide information on all of the available transit options including paratransit and demand response.

Finally, the City participated in the Estacada Transportation Plan update. Transit options that allow transportation between rural cities for goods and services is essential. SAM appreciates the long standing partnership between Estacada and Sandy and looks forward to the published Transportation Plan.

From the Program Administrator

SAM rides is excited to provide transportation to several of the City's holiday events! SAM will be a fun, festive option that will minimize congestion and increase safety for foot traffic. The red trolley will be running the Shopper Shuttle route through the subdivisions to the Plaza for the tree lighting on December 2nd. The blue trolley will be at the plaza for photo shoots. SAM will also run the Shopper Shuttle route to Meinig Park on December 21st for the Shortest Day Walkway. The blue trolley will also be parked for viewing. SAM will provide the party bus for the Holiday Happy Hour at Meinig Park on December 28th! Each child that rides will receive a special Winter Express ticket ornament! Hope to see you onboard for a magical experience!

SANDY WINTER EXPRESS

*This holiday season enjoy a **FREE** magical trip with friends and family!
Come enjoy the city events on the trolley!*

December 2nd—The Tree Lighting at Centennial Plaza

December 21st—The Shortest Day Walkway

*December 28th— Holiday Happy Hour and the Holiday Party Bus
(21 and over, no open containers on the bus)*

The shuttles will start at 5:30 pm and will loop back to the site approximately every half hour. The last return trip will leave at 7:00 pm. The trolley can be flagged-down along either route.

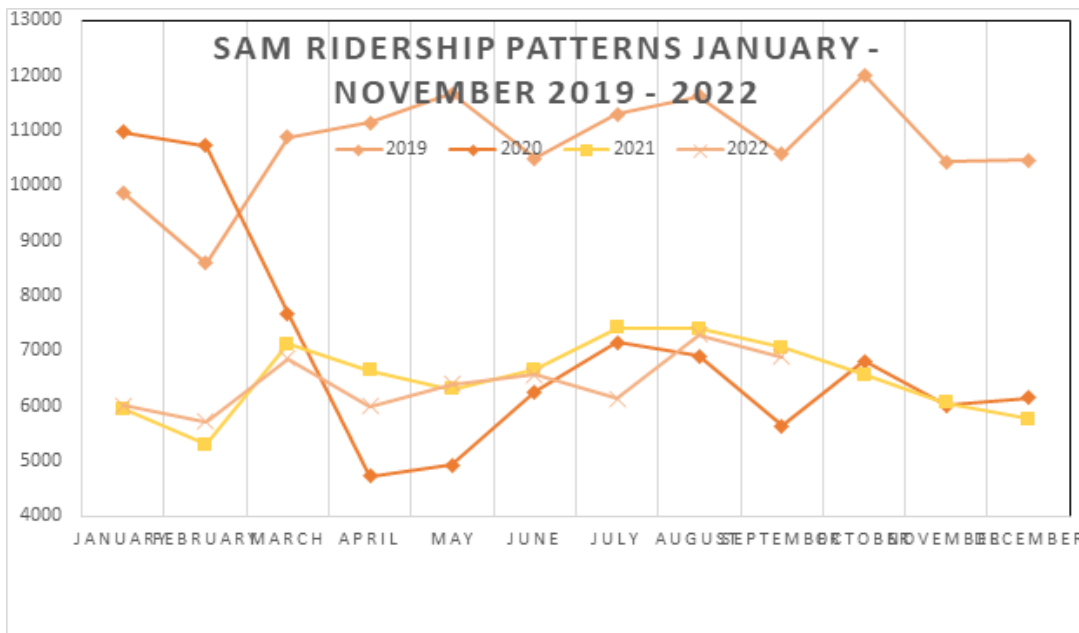
If you have questions, contact dispatch at 503.668.3466.

*Happy Holidays
to
you and yours!*

SAM
SANDY AREA METRO

Please see www.ci.sandy.or.us/transit for the full route and stop locations.

Ridership



Overall October ridership was 13% higher than October 2021. SAM-Gresham provided 5,724 rides, an increase of 15.01% from last year. SAM-Estacada provided 456 rides, a 6.3% increase. The Shopper Shuttle increased by 27.89% providing 509 rides.

SAM rides did have a slight decrease of 8.7%, compared to October 2021, which is probably due to a driver shortage. ED, however, had a dramatic increase of 143.5% compared with October 2021.

Annual Survey Highlights

SAM completed the annual on board surveys in October and provide a great deal of information on the ridership as well as their needs. Surveys were done on fixed routes as well as dial-a-ride. 52.63% of respondents ride almost daily, with 23.16% riding 3-4 times a week. Commuting to work was the number one reason for using transit (48.89%) followed by recreation/social at 28.89%. Ridership is primarily Sandy residents (60%) and the the largest age group is 30-44 years old (31.58%). Over half of the ridership (56.18%) earn less than \$20,000 a year, 84.95% do not own a car and 41.27% would not have made the trip if public transportation was not available.

The most important improvements were centered around more service. 69.32% would like more Sunday service, 54.43% would like later service on weekdays, and 49.40% would like more frequent service.

Below are comments from the rider survey that provide a good summary of many of all comments:

“While none of the questions applied directly to the bus drivers, they are the ‘butter on the bread’ of the transit system. They educate new users, help tourists navigate, seamlessly accommodate to the very wide needs of public transportation users, respond quickly to adjustments in schedules, road construction, traffic problems or passengers issues, offering friendly reminders of the safety rules in place for all riders. Beautiful buses and convenient schedules are great, but without responsible drivers there wouldn’t be a transit system.”

“SAM has allowed me to take a part-time job in Sandy as supplemental retirement home. Hugely appreciated!....and Tri-Met could take a lesson from you buy padding the seats!”

“I’ve been riding the SAM off and on for years now. Drivers are always very friendly, and staff at dispatch have always been helpful. Thank you for getting me, and my family, from point A to point B. Keep up the good work!”

“You provide an exceptional service and I’m grateful. I use public transportation from my home in Northwest Portland all the way up here (Timberline) it’s quite fantastic.”

Transit Staff Report – November

Posted on [December 28, 2022](#) by [ahowell](#)



From the Director

Projects, projects, projects! The Transit Department has many projects moving forward.

Electrification – SAM staff met the Proterra Charging Team to identify the best options for optimal charging based on the route, number of buses and infrastructure. SAM will order one cabinet/charger per bus for optimal charging when vehicles are not in service. PGE completed the planning phase of the infrastructure upgrade. Total cost estimates of the electrification upgrades are currently \$371,000 with PGE partner incentives covering \$371,000. However, the PGE team and SAM staff have yet to finalize the plan as some modifications were requested by SAM staff (page 1 of report below).

Fleet Partner Study

CITY OF SANDY TRANSIT

Executive Summary

Through the Fleet Partner program, PGE provides technical planning services, turnkey design and construction of charging infrastructure, custom cost incentives, and a trusted partner throughout the process. The program consists of two phases: Plan and Build.

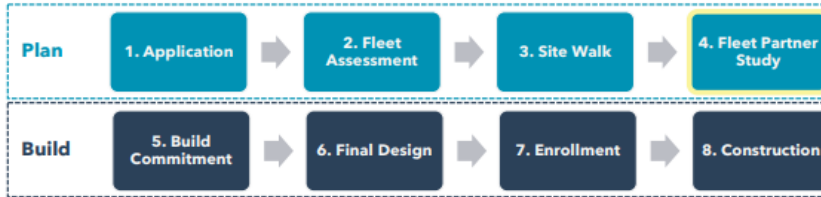


Figure 1

This study concludes the Plan phase and provides the site-specific information needed to understand the scope and costs associated with the Build phase. That information is summarized in Table 1 below.

Table 1

Fleet Partner Project Summary					
Site	Make-Ready Ports	Energy Commitment	Infrastructure Cost	Fleet Partner Incentive	Net Infrastructure Cost
Operations Center	11 DCFC	5,351,174 kWh	\$371,000	-\$371,000	\$0

This study details the preliminary results of the fleet assessment and site walk, based on information provided in the application and discussions with the project team. This includes an electric vehicle feasibility, charging analysis, total cost of ownership analysis, summary of incentives, and a site-specific charging infrastructure design and cost estimate.



SAM has issued POs for 3 charger cabinets and dispensers from Proterra Energy Systems. There is currently a wait time for the arrival of chargers. PGE infrastructure updates and installation of the charging equipment needs to be in place before the arrival of 3 new electric vehicles. Current timeline – approximately 18 months.

Cabinet (about the size of a vending machine) and Dispensers Pictured Below

RELIABLE DC FAST CHARGING FOR FLEETS

The Proterra Industrial Series charging system is designed explicitly for fleet applications.

Available in 60kW, 90kW, 120kW, 150kW and 180kW configurations.

Charge up to 4 vehicles from the same charger with automated, multi-dispenser configurations, including up to 4 single-cable dispensers.

Dispensers can be sited separately (up to 500 feet away) from the charging cabinet, enabling greater flexibility in design and configuration for fleets.

Remote monitoring, intelligent diagnostics and a modular design allows for quick issue resolution and efficient field service.

Broad voltage range (up to 1000VDC) ensures compatibility with both today's and next generation electric vehicles.

- OCPP compliant and 4G enabled
- Small footprint
- Multi-dispenser option
- Supports CCS1 and pantograph options
- 3 Year Standard Warranty with extensions available



INDUSTRIAL SERIES



Proterra charging systems are compliant with Federal DOT Buy America requirements.



PROTERRA®
**CHARGING
SYSTEMS**

RELIABLE DC FAST CHARGING FOR FLEETS

The Proterra Industrial dispenser is designed explicitly for fleet applications.

Charge up to 4 vehicles from the same charger with automated, multi-dispenser configurations, including up to 4 single-cable dispensers.

Dispensers can be sited separately (up to 500 feet away) from the charging cabinet, enabling greater flexibility in design and configuration for fleets.

Remote monitoring, intelligent diagnostics and a modular design allows for quick issue resolution and efficient field service.

Broad voltage range (up to 1000VDC) ensures compatibility with both today's and next generation electric vehicles.

- OCPP compliant and 4G enabled
- 200A and 300A cables available
- Supports CCS1
- 3 Year Standard Warranty with extensions available.



INDUSTRIAL SERIES

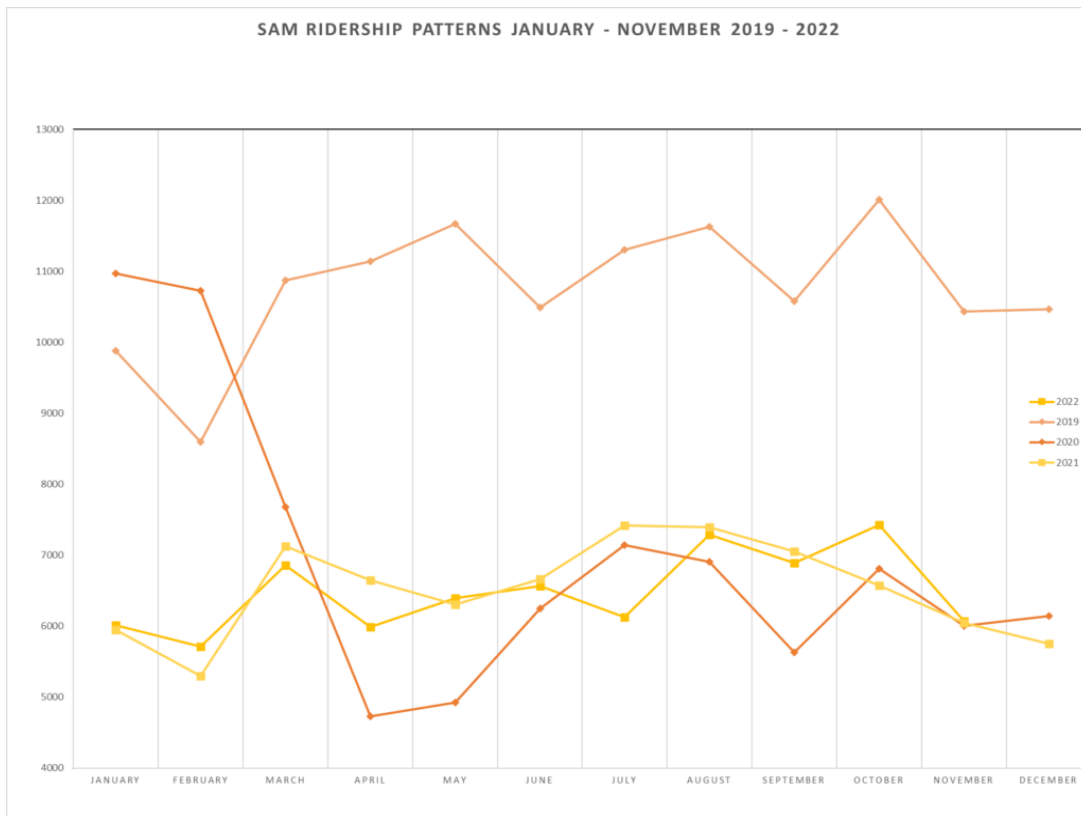


Proterra charging systems are compliant with Federal DOT Buy America requirements.

Saturday Shopper Shuttle – Using STIF funds, SAM plans to add Saturday Shopper Shuttle Service! This was the #1 request from the public during the Transit Master Plan. Saturday service will mirror Monday – Friday service (5 runs). Saturday service could begin as soon as July 1, 2023.

Operations Center Expansion – SAM staff are creating the RFP for the planning phase of an Ops expansion. SAM staff will facilitate a meeting with all Department Directors impacted by the expansion and the City Manager before issuing the RFP. The RFP is planned to be issued early February.

From the Program Administrator



Ridership

Overall ridership for November 2022 had a slight increase of 0.33% over November 2021. SAM Gresham had a slight decline of -0.36% compared to last year. Estacada’s ridership rose from 409 rides in 2021 to 466 rides in 2022, a 13.94% increase. The Shopper Shuttle declined - 0.72%, compared with November 2021.

SAM *rides* experienced a small decline of -1.28% in November 2022 compared to November 2021. ED also saw a decline of -22.5%.

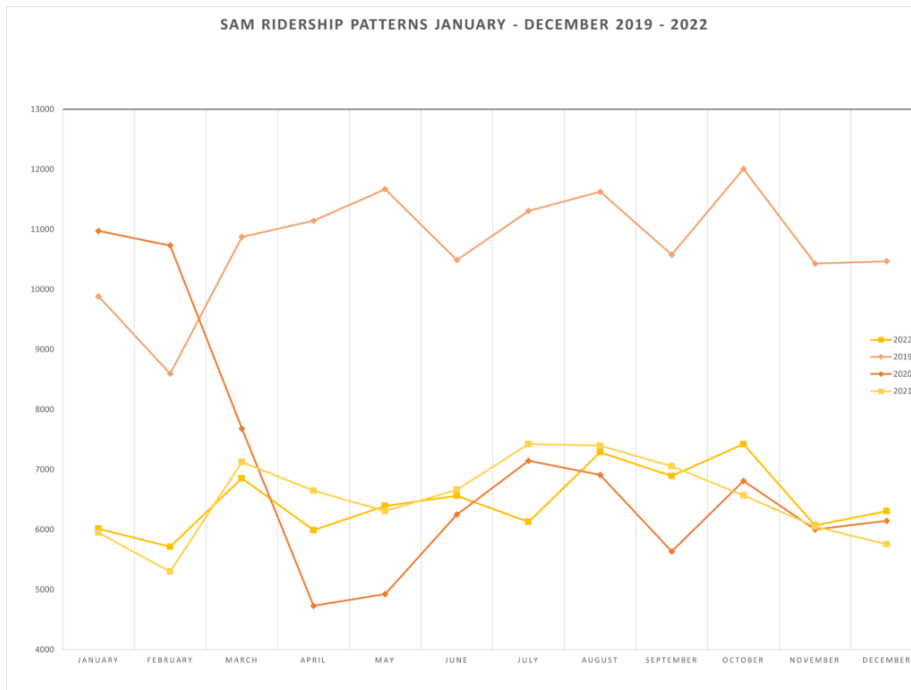
The ongoing driver shortage combined with the beginning of the cold and flu season and the holiday closure contributed to this small decline in ridership. The addition of new drivers will enable SAM to alleviate some of the concerns.

Winter Express

The Winter Express run to the tree lighting was a success! The drivers dressed up in costume, played holiday music and delighted their 49 riders.

SAM will be providing rides to Meinig Park for the events on the 21st and the 28th. There is a slight change to the schedule. **We will begin the shuttles at 5:00 pm so we can make each loop at least once before the start of the event.**

Transit Staff Report – December 2022



Ridership

In December of 2022 overall ridership increased by 9.6% compared with December of 2021. SAM-Gresham provided 4,544 rides, an increase of 2.7%. SAM-Estacada experienced a 21.21% increase, providing 440 rides in December of 2022. The Shopper Shuttle increased by 49.35% providing transportation to 578 rides.

SAM rides transported 697 passengers in December 2022 compared to 534 in December of 2021. This is a 30.52% increase. ED provided 49 medical transportation rides, a 2.22% increase.

The Sandy Winter Express was a huge success! There were 49 passengers for the tree lighting and 43 passengers for the Longest Day Parkway. Chrysler Collins was the driver both times and our Road Supervisor, Julie Hubbard, passed out our keepsake ornaments. They were an amazing duo that everyone enjoyed. Both times the driver did one extra run due to the demand. Unfortunately, the winter storm canceled the Holiday Happy Hour event and our last Sandy Winter Express. We look forward to partnering with the Community Center next year!



Driver, Chrysler Collins



Road Supervisor, Julie Hubbard



Passengers Enjoying the Ride