

# FY21 - Surface Transportation Efficiency Imp

## Surface Transportation Efficiency Imp

## Targets and Thresholds

1	2	3	4	5	6	7	8	9	10
0.00	2.50	5.00	7.50	10.00	14.00	18.00	22.00	26.00	30.00

### Description

Surface Transportation Efficiency Improvement is measured to evaluate the effectiveness and efficiency of Surface Transportation expenditures. The efficiency is determined by totaling the costs (FPR Line 13 Operations Vehicles Service + FPR Line 3P Highway Transportation) then dividing that total by the total trips utilized multiplied by the average load percentage of those trips. The efficiency for FY 2021 will be compared against SPLY. For the efficiency to improve, the numerical value should decrease. The efficiency indicator can be improved by reducing costs and / or increasing the average load percentage.

Surface Transportation Efficiency Improvement is one portion (30%) of the Functional Effectiveness - Logistics indicator.

### Measurement Period -

This performance indicator will be measured each month and cumulative scores will be reported as Year-To-Date (YTD) result.

### Data Source and Calculation

**Source** – EDW - Accounting & Trips On Time Dashboard

**Indicator Value** – Reduction in Surface Transportation Efficiency score from SPLY

Surface Transportation Efficiency Imp calculation:

$$- \frac{(\text{Surface Transportation Efficiency FY 2020} - \text{Surface Transportation Efficiency 2021})}{\text{Surface Transportation Efficiency FY 2020}} \times 100$$

Surface Transportation Efficiency calculation:

**Business Rule** 
$$\frac{(\text{FPR Line 13 Operations Vehicles Service} + \text{FPR Line 3P Highway Transportation})}{(\text{Total of Surface Transportation Trips} \times \text{Trip Utilization})}$$

Trip Utilization calculation:

$$\frac{\text{Sum of All Trips Load Percentage}}{\text{\# of Total Trips}}$$

Example:

	FPR Line 13	FPR Line 3P	Total Spend	\# of Trips	Load Percentage	Trip Utilization	Transportation Efficiency	Improvement	Cell
Site A - FY20	58,687,585	152,839,838	211,527,423	1,112,527	361,846.80	0.325247657	584.58		
Site A - FY21 - Utilization Improvement	59,785,684	154,674,985	214,460,669	1,112,527	400,125.59	0.35965472	535.98	8.31	4
Site A - FY21 - Expense Reduction	56,012,378	149,998,742	206,011,120	1,112,527	361,846.80	0.325247657	569.33	2.61	2
Site A - FY21 - No Improvement	59,785,684	154,674,985	214,460,669	1,112,527	354,635.15	0.318765428	604.74	-3.45	0

**Decimal Precision** – Two Decimals

### Data Validation

EDW - Accounting > Shared Reports > GL (eaGLE) > Financial Reports > 1. Financial Performance > FPR Line Builder

<https://eaqlik.usps.gov/sense/app/cb3ec67b-6633-48a0-bd1c-b815d5025b90/sheet/57dfff99-83fd-47fa-b1e1-cee775073cfa/state/analysis?qlikTicket=xfMoWaQ5iOWF7KgQ>

### Applicable Positions / Units, Measurement Depth and Weight:

Scorecard Name	Depth	Weight	Total Weight Towards Composite
Region Logistics	Region	30.0%	30.0%
Division Logistics	Division	30.0%	30.0%