



WRAP DATA OVERVIEW

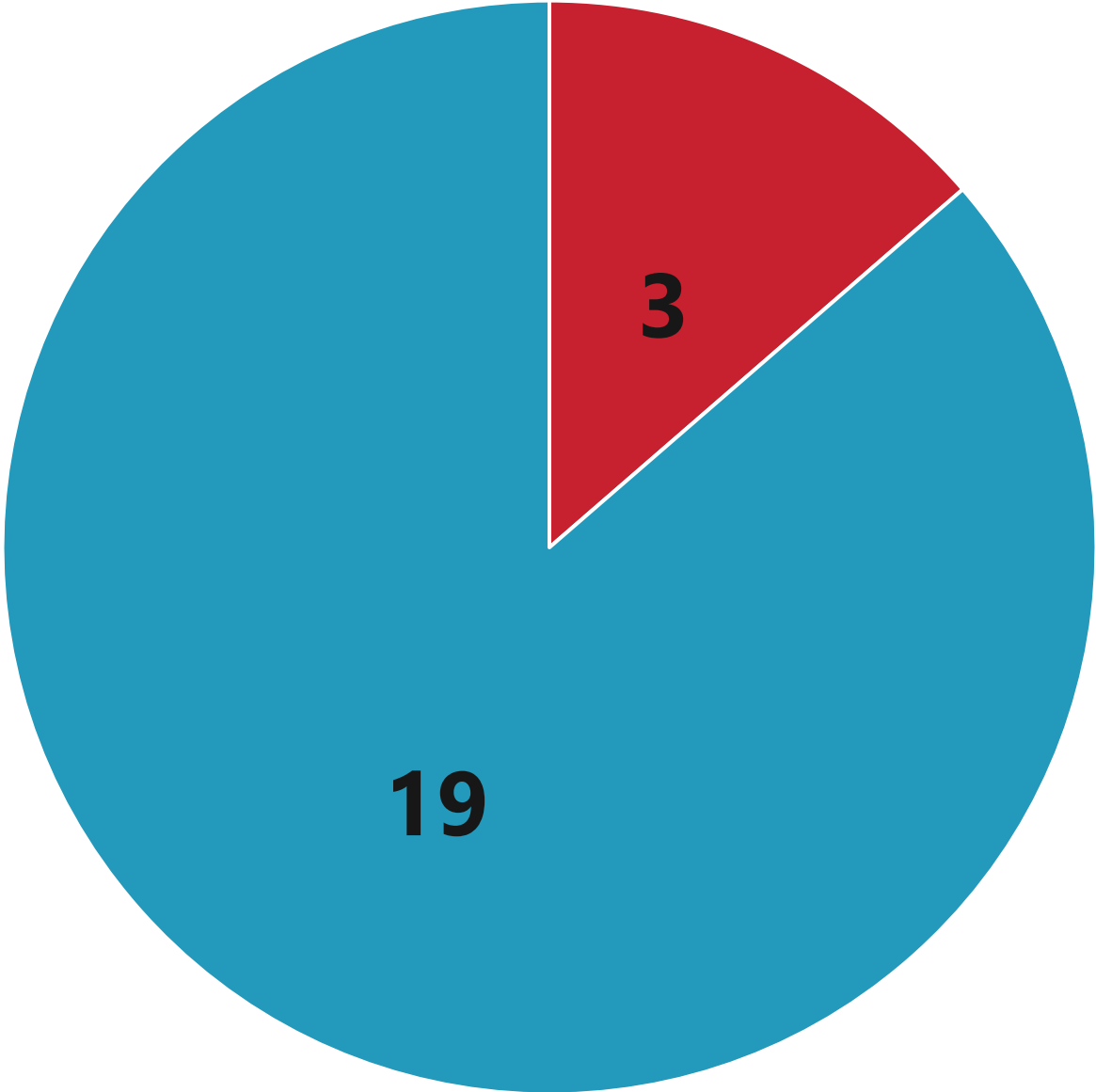


OBJECTIVE

- To provide the WRAP Participants with an overview of the WRAP Operations Program, focusing on:
 - Participation
 - File and data integrity
- **Data Coverage:** 2023-2024 Winter season
- **Time Frame:** October 25th to March 15th
- **Focus:** Daily participation in the Program

WRAP OPS PARTICIPATION

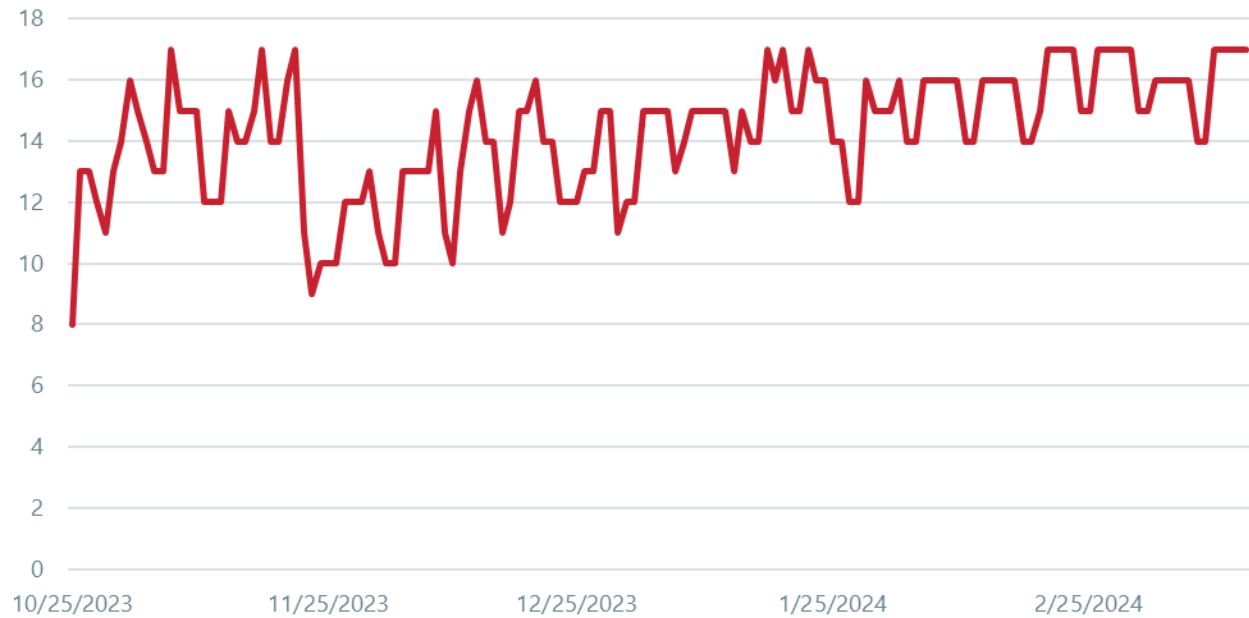
WRAP Participation



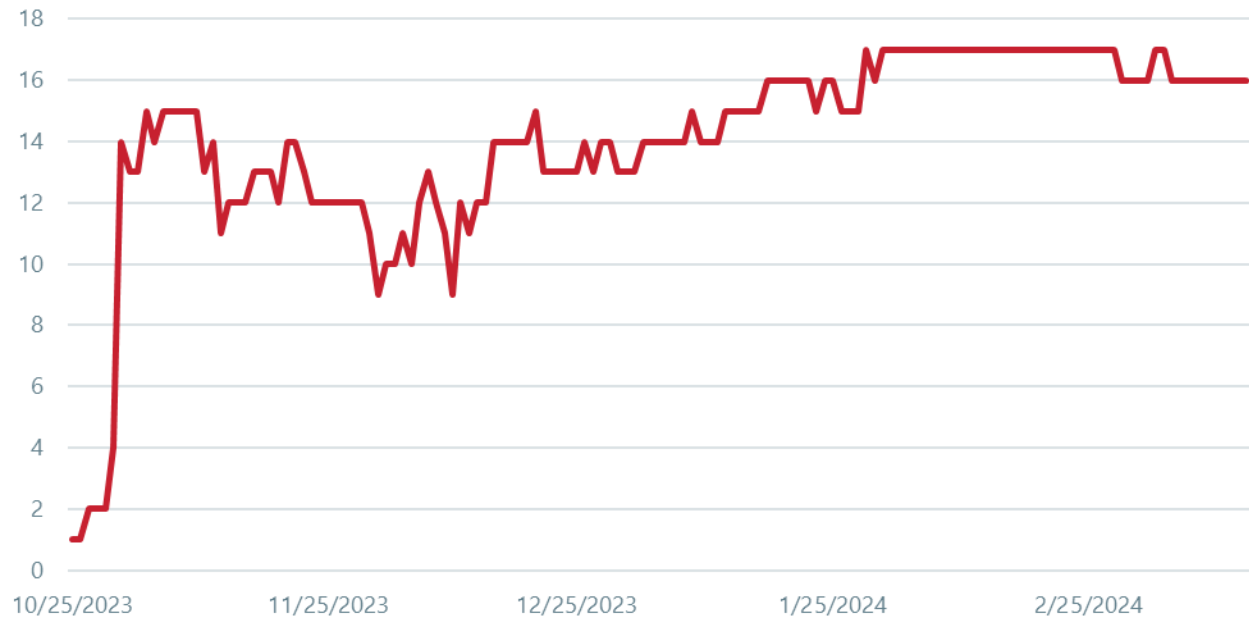
■ No Participation ■ Participated

PARTICIPATION PER FILE TYPE

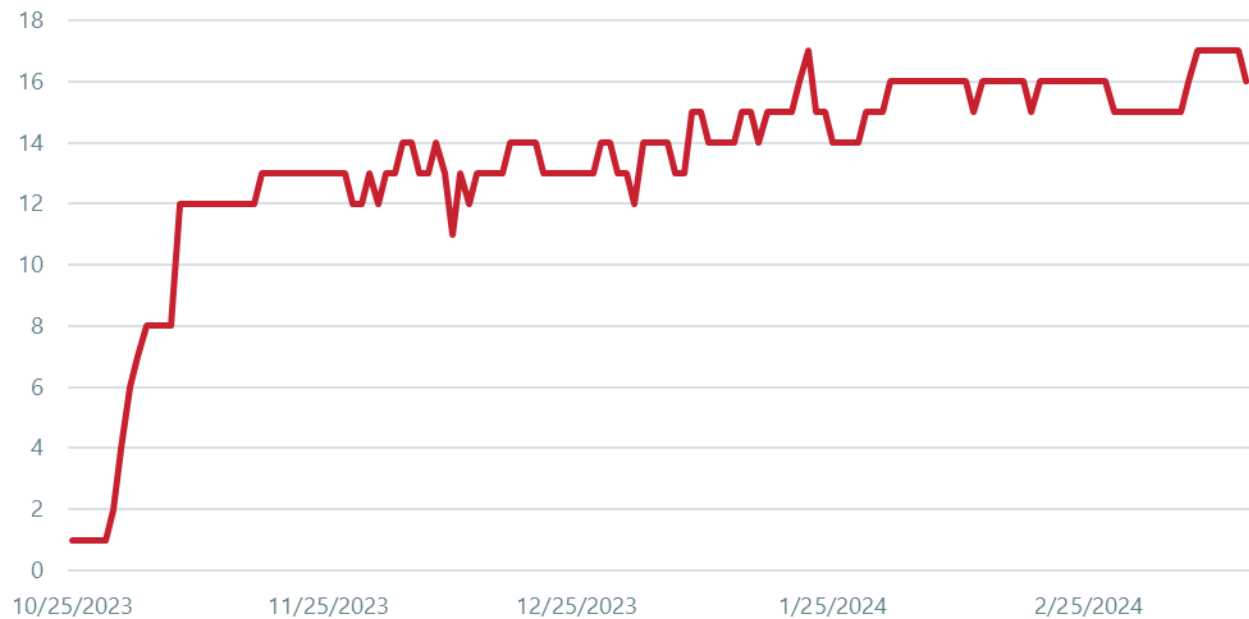
Multi Day - Input File



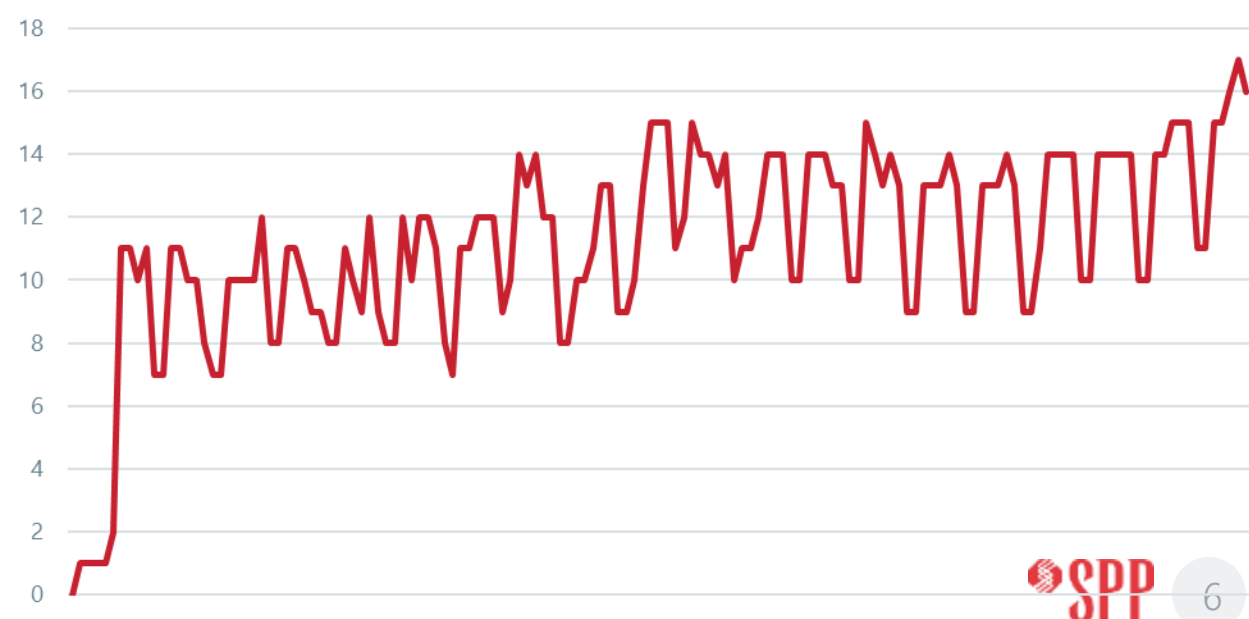
Operating Day - Input File



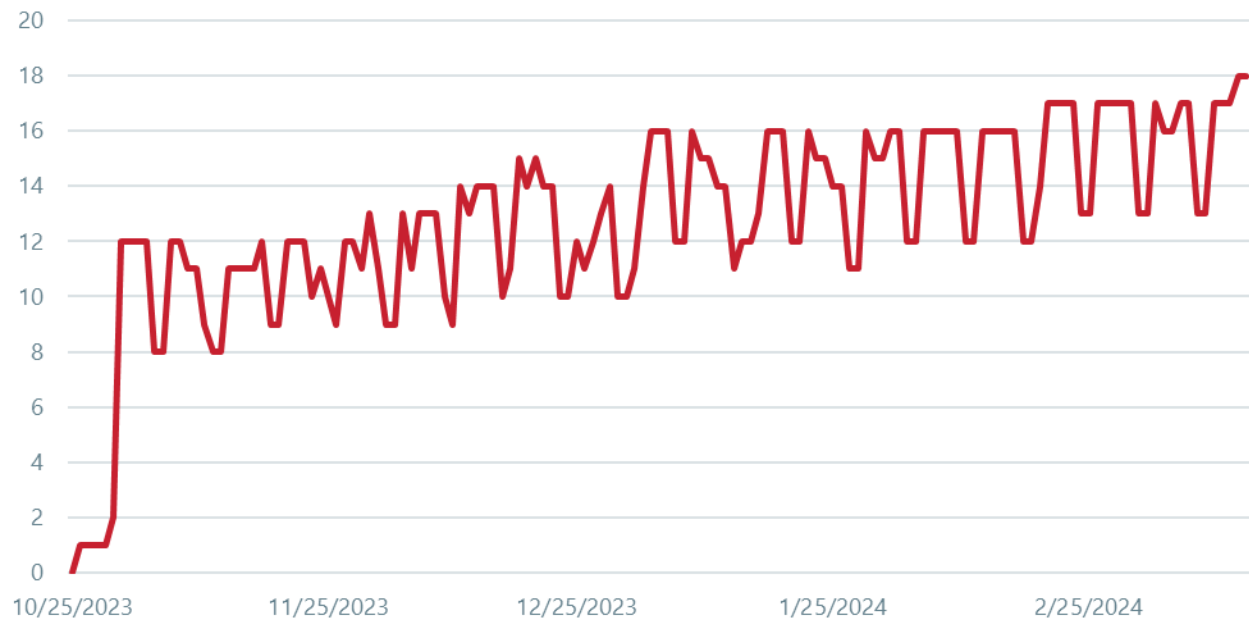
Actual - Input File



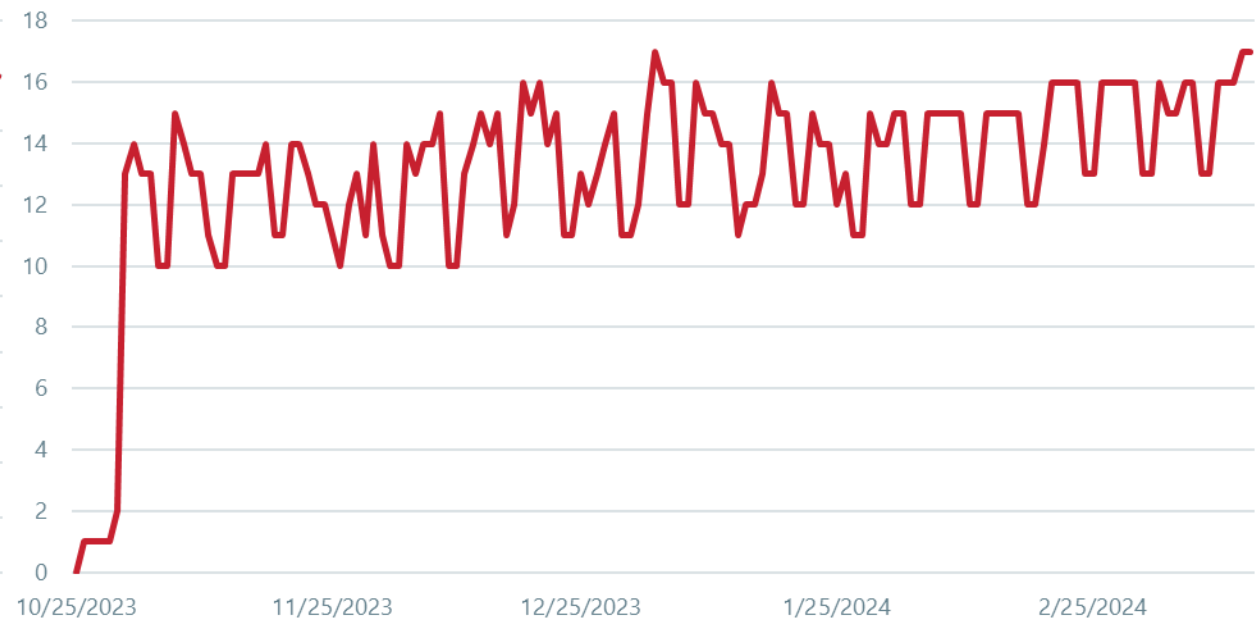
Point Limit - Input File



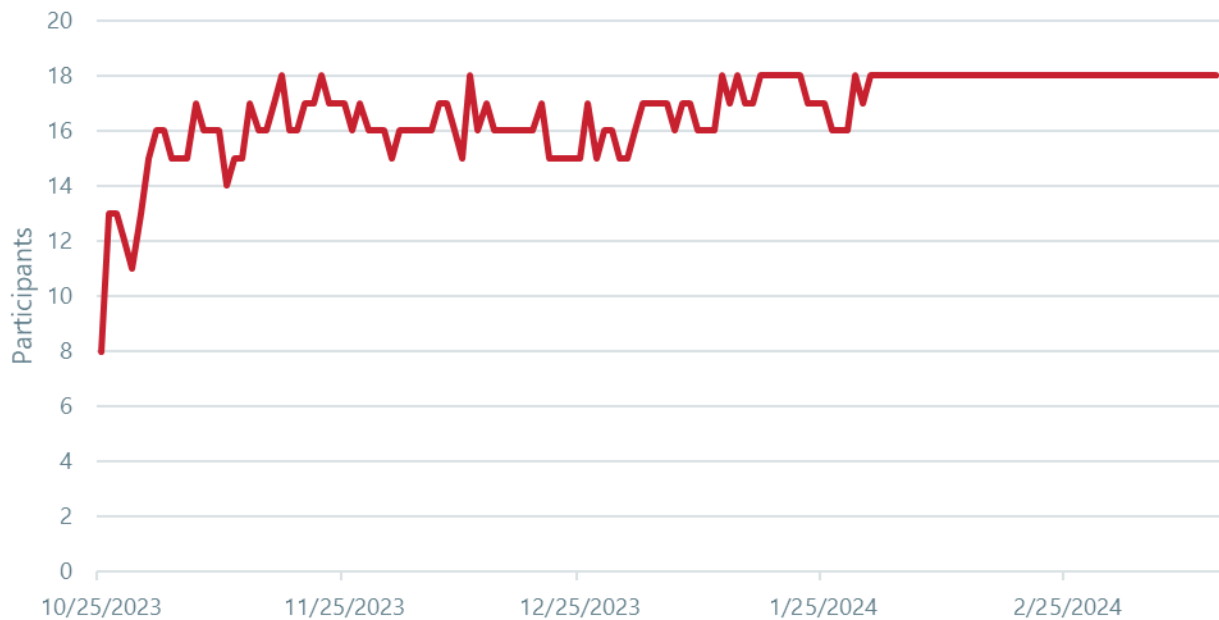
Point to Point Limit Input File



Voluntary Holdback Input File



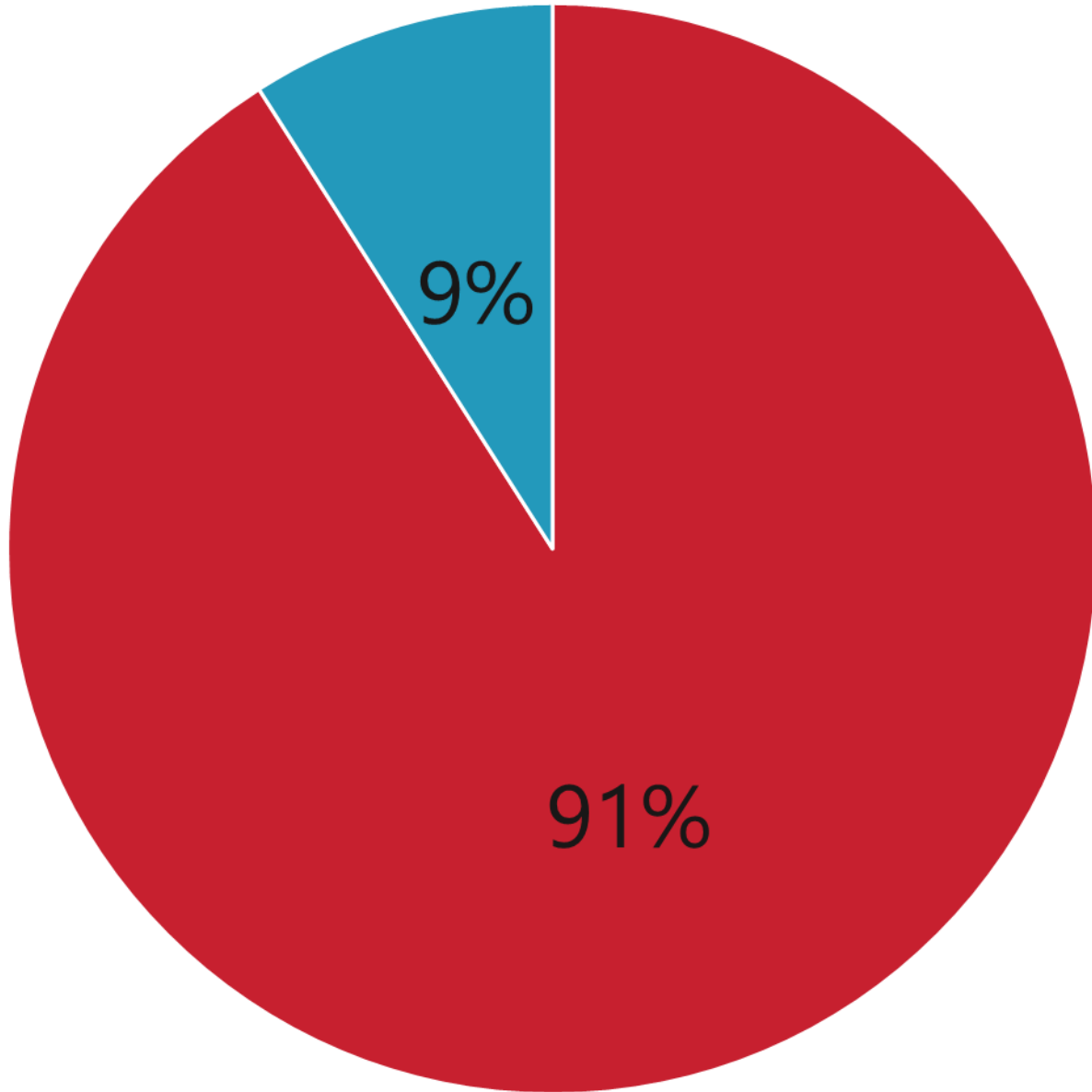
Count of Participants who submitted at least one file



FILE PUNCTUALITY AND SUCCESSFUL UPLOADS

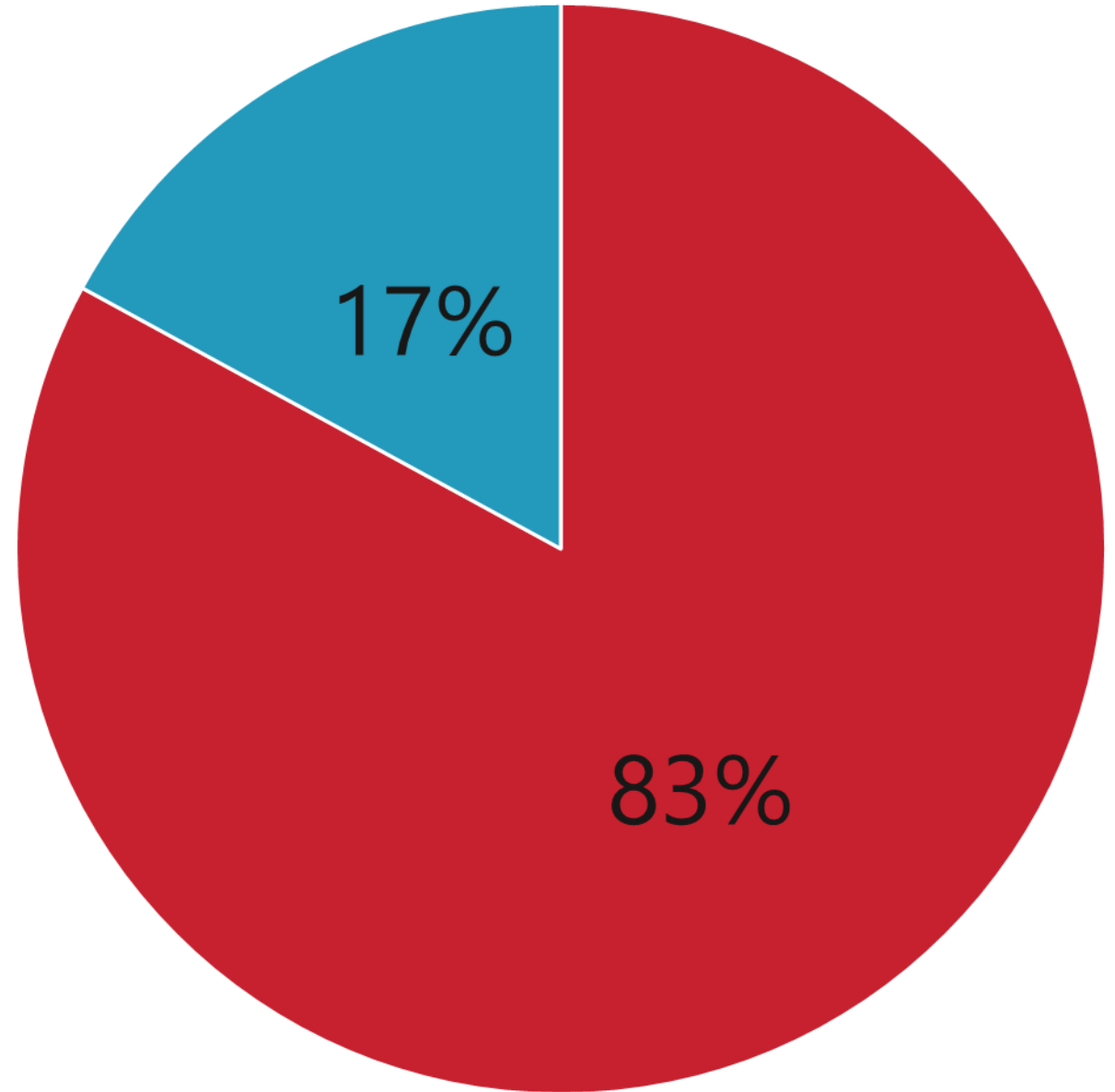
- Following charts are spilt into two halves of the season
 - First Half: 10/25 – 1/4 71 Days
 - Second Half: 1/5 – 3/15 70 Days
- These charts show the percent of successfully submitted files that were uploaded late or on time
 - For the First Half 36,533 files were submitted successfully
 - For the Second Half 50,926 files were submitted successfully

10/25 - 1/4 File Upload Punctuality



■ Late ■ On Time

1/5 - 3/15 File Upload Punctuality



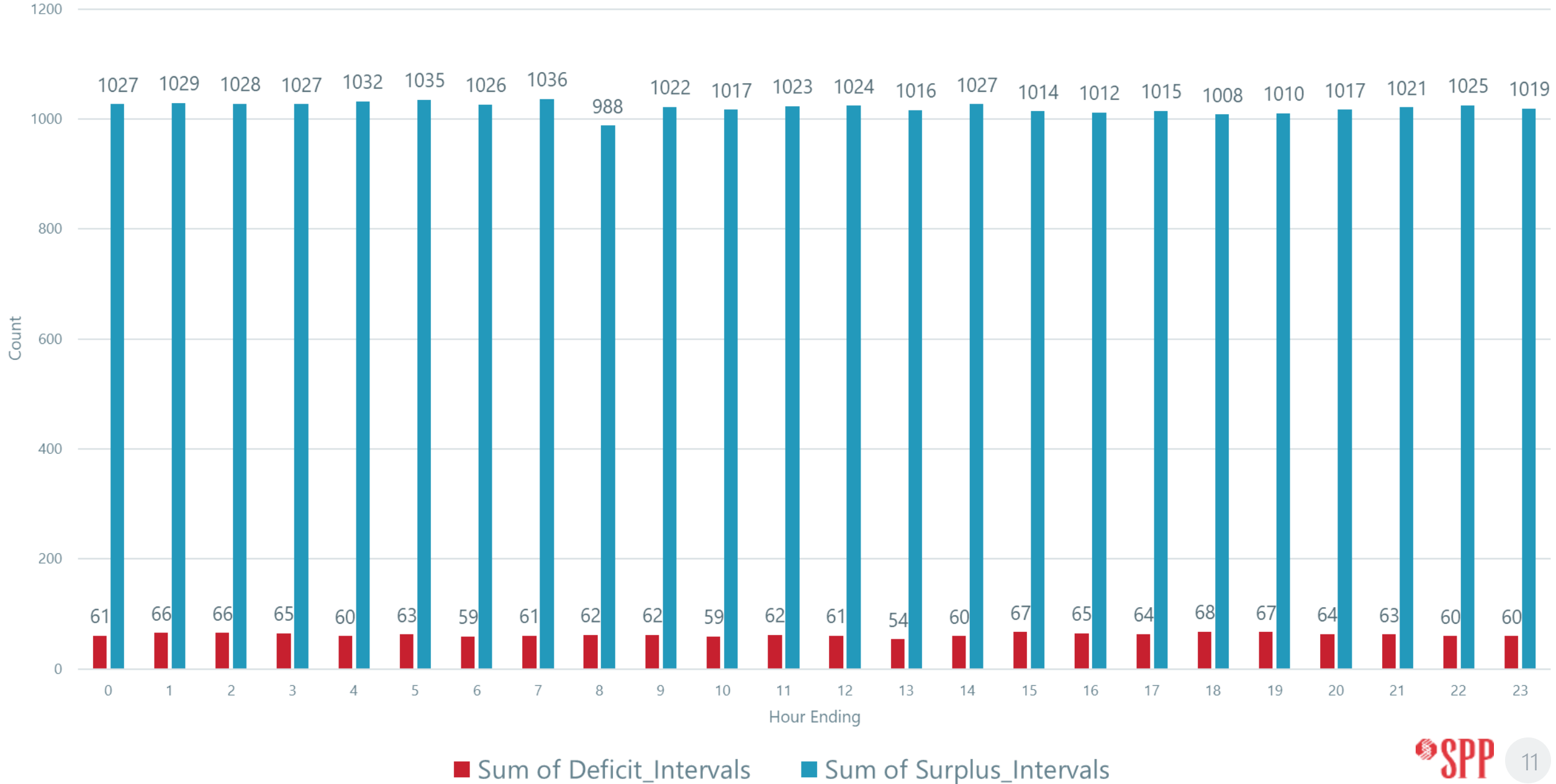
■ Late ■ On Time

DEFICIT AND SURPLUS INTERVALS

- The following two charts count the number of times a participant was either surplus or deficit for a given hour
 - If 18 participants are surplus for a given hour on a day, then this would increase the count by 18
- There is a decrease of deficit in the second half as forecasting and forward showing errors were corrected through out the season
- The increase of surplus is also a result of higher participation towards the later half of the season

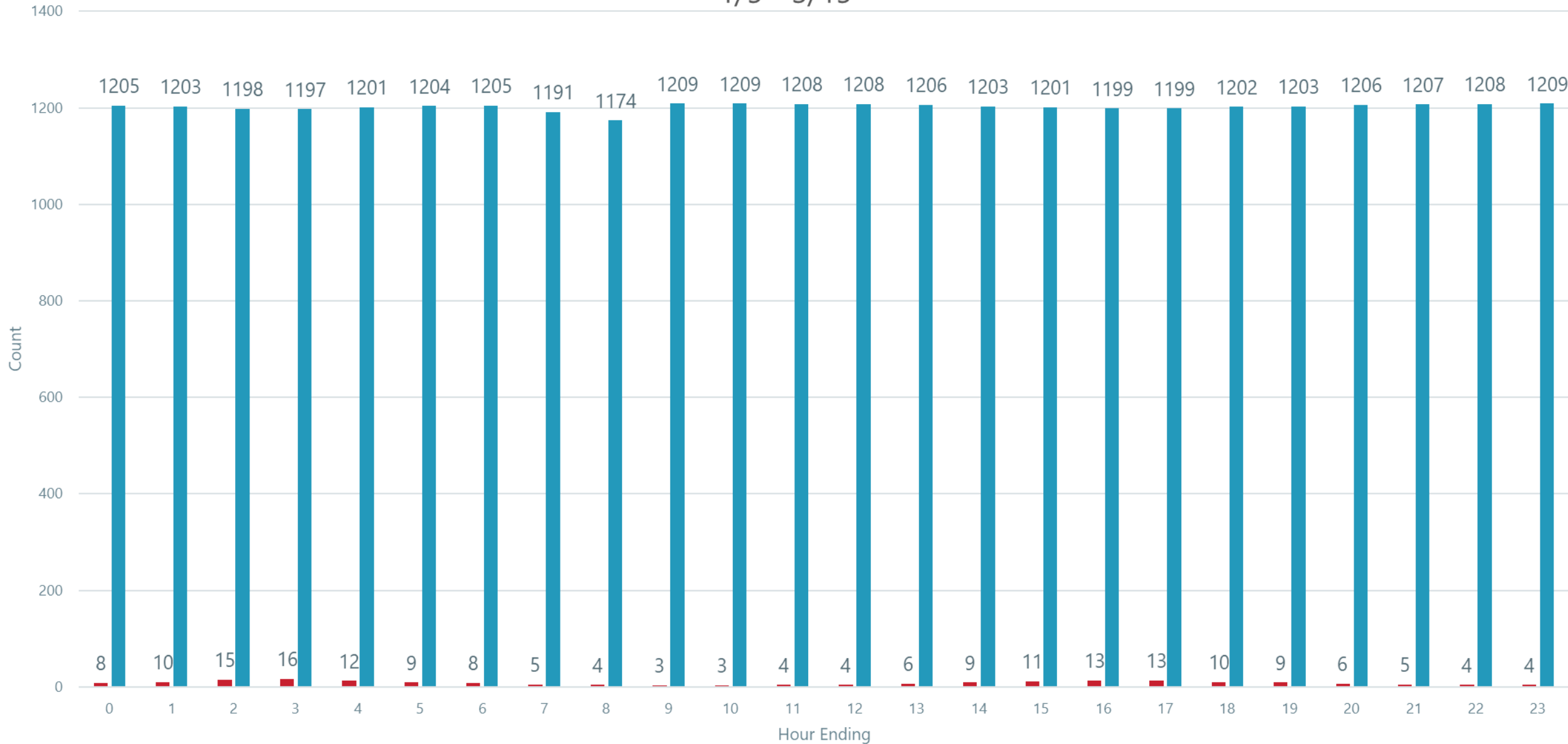
Count of Deficit and Surplus Intervals

10/25 - 1/4



Count of Deficit and Surplus Intervals

1/5 - 3/15

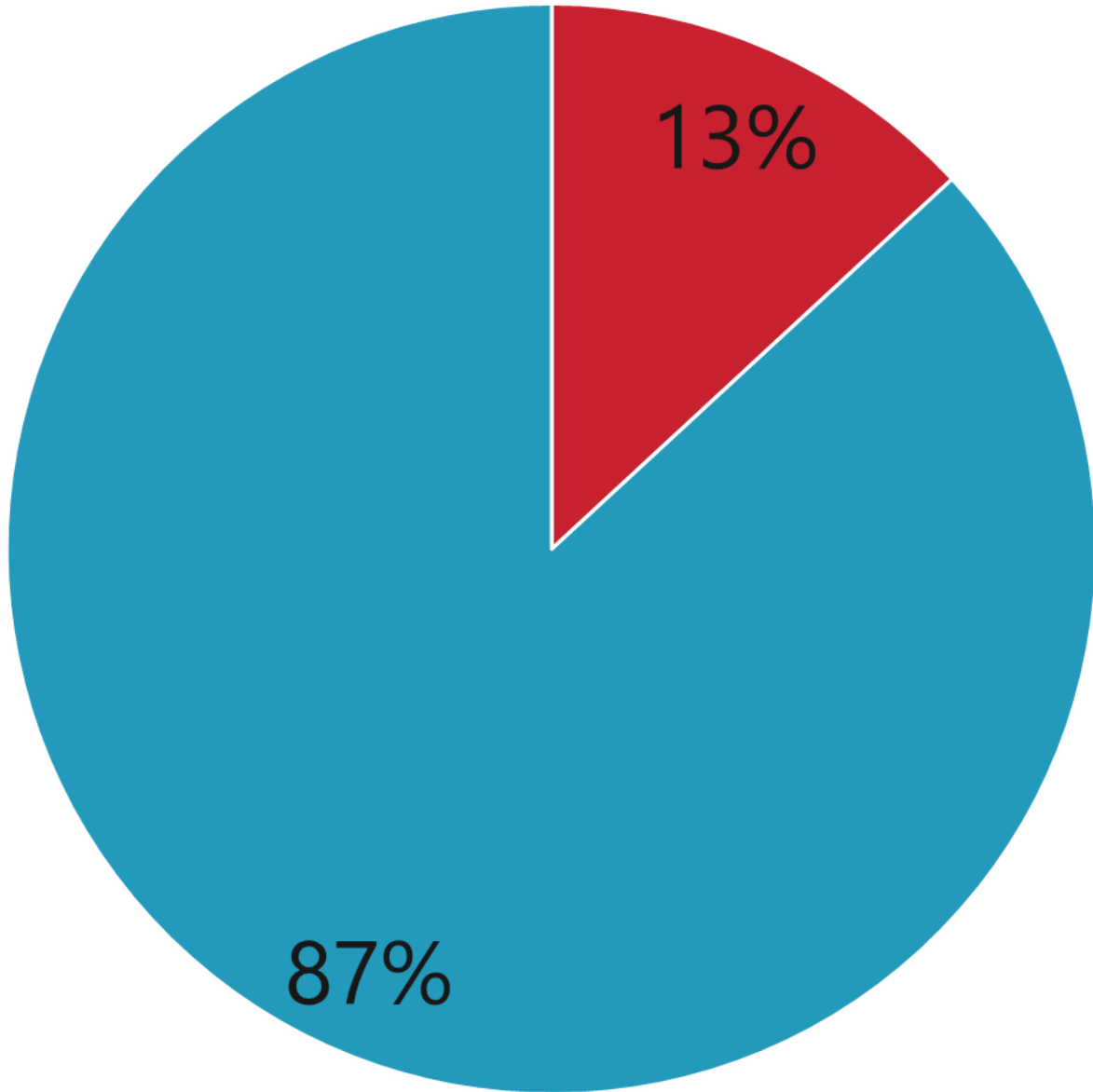


■ Sum of Deficit_Intervals ■ Sum of Surplus_Intervals

FILE UPLOAD SUCCESS RATE

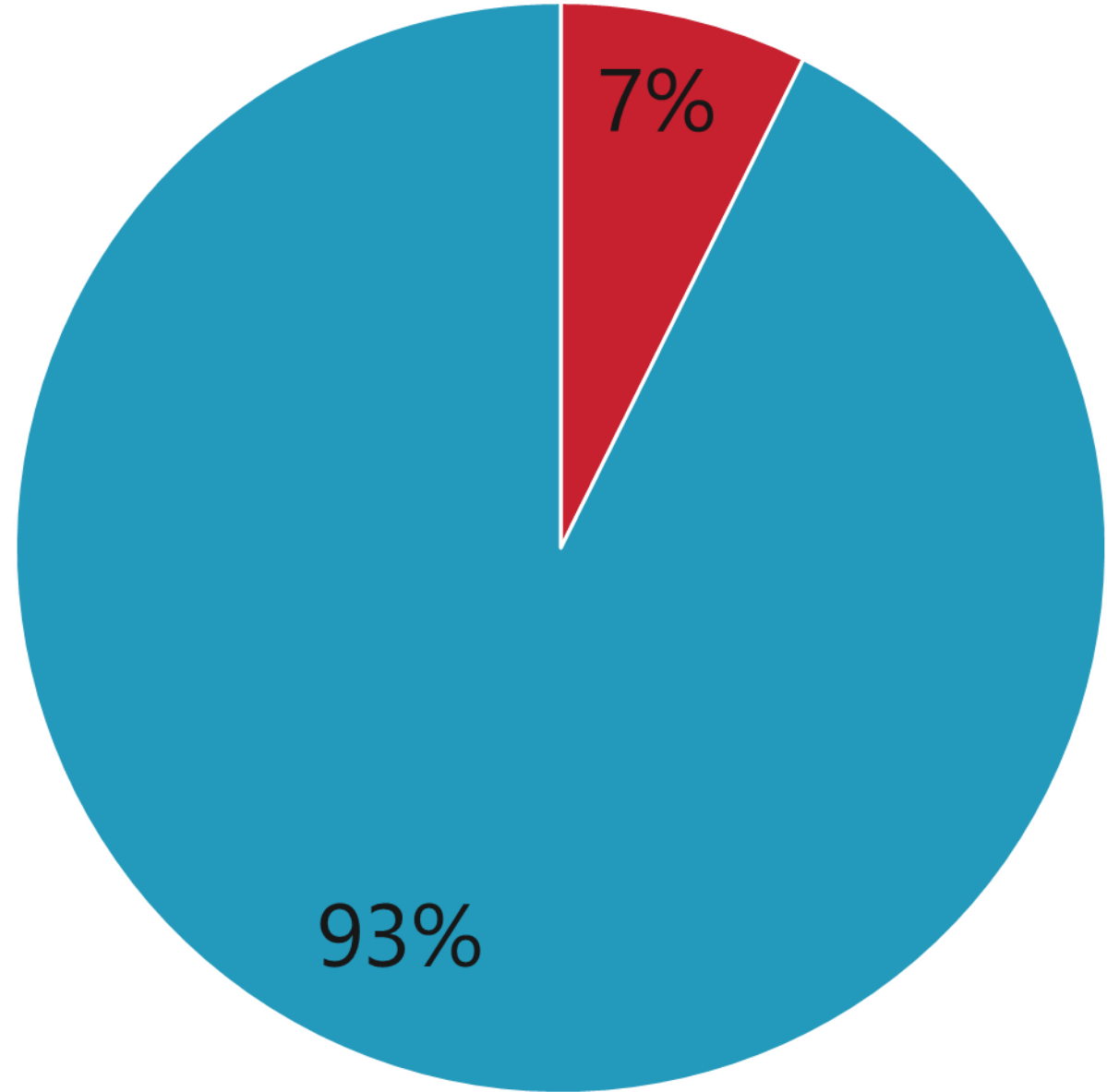
- Measures the percent of files that were uploaded Successfully
- The first half had 41,930 files attempted to be uploaded
- The second half had 55,213 files attempted to be uploaded
 - That is a 32% increase

File Upload Success Rate
10/25 - 1/4



■ Error ■ Success

File Upload Success Rate
1/5 - 3/15

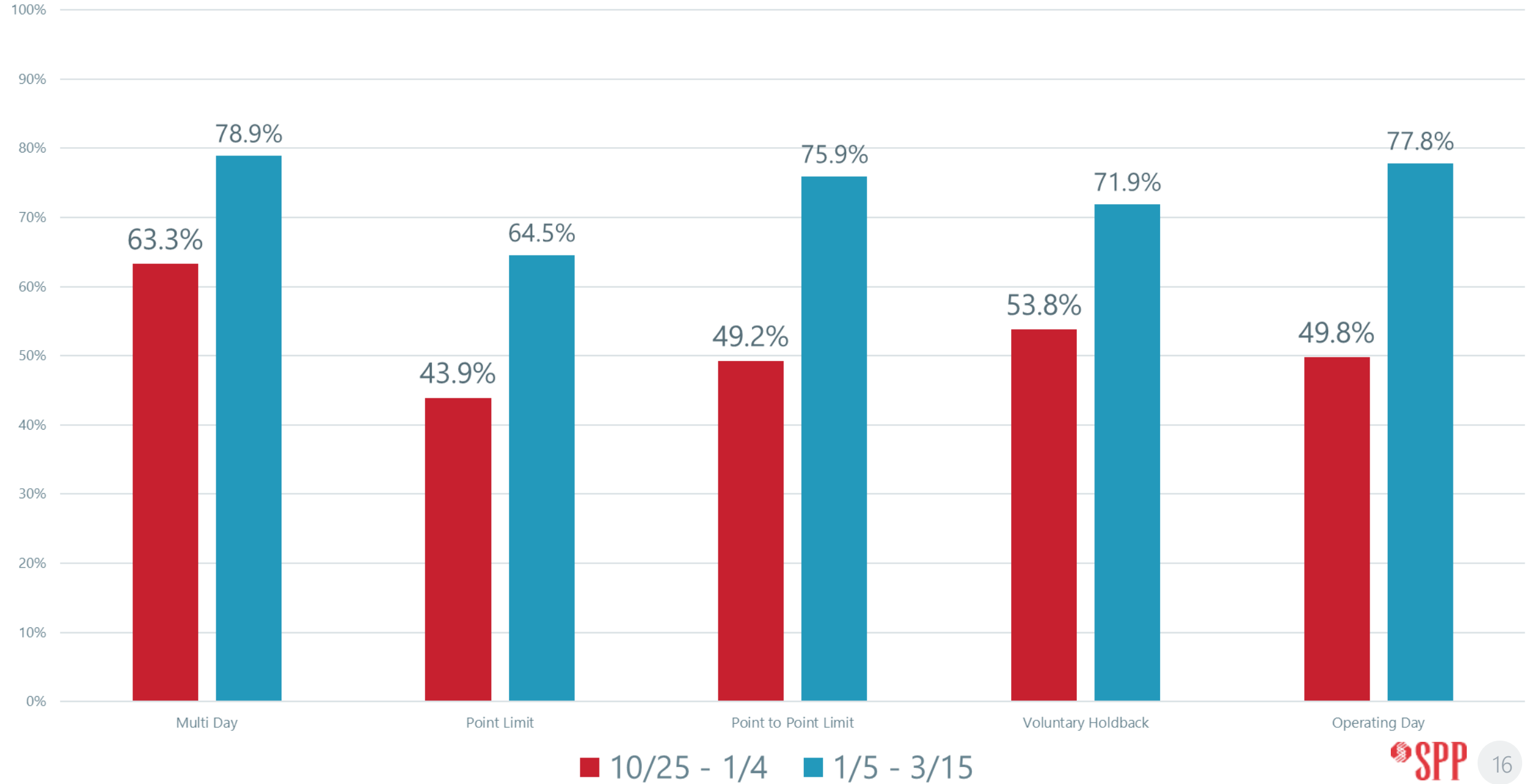


■ Error ■ Success

PERCENT OF EXPECTED FILES UPLOADED

- Measures the percent of files that were uploaded versus how much were expected
 - Daily Amounts
 - MD,VH,PL,PTPL: 1
 - OD: 24
- Only counted files that were uploaded successfully
- While there are cases of Participants uploading more than the required number of files for a day these have minor affects on the overall percentage

Files Uploaded in Percent Expected



TAKE AWAYS

- Over the course of the season, we have seen improvement in all areas, participation, file uploads and data quality.
- There is still improvements to be made but we are confident through working In tandem with Participants we will make them next season.
- The biggest areas we can improve is getting Operating Day files submitted on time and submitting consistent and accurate actual data.