System Settings for Tallying Votes in Ranked-Choice Voting (RCV) Contests

**RCV METHOD (IRV)** – This setting determines the method applied for tabulating RCV votes. For this election, the setting is “Instant Runoff Voting,” or IRV, which is a round-by-round elimination of candidates until one candidate vote obtains 50% +1 of the remaining votes.

**EXCLUDE UNRESOLVED WRITE-INS (TRUE)** – Write-in votes for unqualified write-in candidates are not included in the tallies and do not accumulate vote totals.

**DECLARE WINNERS BY THRESHOLD (FALSE)** – RCV calculations will continue until two candidates remain. The system is configured to not stop tallying when a candidate obtains a set number or percentage of votes (50%+1).

**USES PRECINCTS (TRUE)** – The system performs all calculations per precinct and allows for the reporting of results by each precinct separately.

**PREVIOUS ROUNDS EVALUATION METHOD (NONE)** – No automated resolution method is applied to resolve ties when candidates receive equal numbers of votes. Ties are resolved using a manual process that randomly selects one candidate.

**ELIMINATION TYPE (SINGLE)** – The system will eliminate one candidate per round during the tallying process.

**FIXED PRECISION DECIMALS (0)** – This method is not applicable to San Francisco’s RCV tallies since fixed precision decimals are associated with fractional calculations used in different RCV methods.

**PERFORM ELIMINATION TRANSFER IN LAST ROUND (FALSE)** – This option is relevant in fractional calculations which are not applied to San Francisco’s RCV method.

**SKIP OVERVOTED RANKINGS (FALSE)** – This option allows the algorithm to skip over-voted rankings and proceed to the next ranking. The San Francisco RCV method “exhausts” ballots for a contest for any votes occurring after the over-voted ranking.

**VOTES TO INCLUDE IN THRESHOLD CALCULATION (CONTINUING BALLOTS PER ROUND)** – The RCV method calculates the 50%+1 majority of votes needed to win a contest in each round. The system will re-calculate the number of votes that represent a 50%+1 majority in each round by summing all remaining vote totals specific to each round.

**USES FIRST ROUND SUSPENSION (FALSE)** – If TRUE, this option adds one more round at the start of results tabulation where only 1st rankings are evaluated in the algorithm.