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.