



PUBLICLY-AVAILABLE TOOL TO ESTIMATE STORAGE SPACE!

Whether you're planning ahead for an upcoming election, or looking to optimize storage space overall, this publicly available tool from PLEJ and the Engineering for Democracy Institute (EDI) at The University of Rhode Island allows you to input details about the ballots, documents, supplies, and equipment you expect to store to determine the required warehouse racking space.

The Warehouse Space Requirement Calculator has two tabs: ballot storage and equipment storage. Within each, you can enter situationally-specific information (down to the brand and type of equipment, the type of pallet you use, turnout expectations, and more) for both past and upcoming elections to yield an estimate of square footage and volume for your storage needs. It also estimates off-site storage costs as applicable. Rest assured, no information that you enter is saved or stored by PLEJ or EDI.

Election Warehouse Space Estimator

[Watch the Demo Video](#)

Number of past, current, and future elections to be in long-term storage:

Enter the current number of registered voters:

Are ballots sorted into boxes by submission method for long-term storage? Yes No

Select ballot submission methods for sorting (select all that apply): Precinct Voting
 Are Precinct Voting ballots sorted into boxes based on location? Yes No
 Vote Center
 Early Voting
 Are Early Voting ballots sorted into boxes based on location? Yes No
 Vote By Mail
 Are Vote By Mail ballots sorted into boxes based on location? Yes No

Does the size of boxes used for long-term ballot storage **change** between elections? Yes No

External Storage Box Dimensions
 Select a Box Type:
 Length (inches): Width (inches):
 Height (inches): Number of ballots that fit per box:

Ballot Storage **Equipment Storage**

Election Name [Edit](#)

Is this a past or upcoming election? Past Upcoming

What is the expected turnout?

Percent of Ballots Cast by Submission Type
 Precinct Voting Percentage (%) Early Voting Percentage (%)
 Vote By Mail Percentage (%)
 Current total: 100%

Number of Precinct Voting Locations:
 Number of Early Voting Locations:
 Number of Vote By Mail Locations:
 Average Number of Ballot Cards:

Election Name [Edit](#)

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The Partnership for Large Election Jurisdictions (PLEJ) and the Engineering for Democracy Institute (EDI) at The University of Rhode Island have partnered together to create the Election Warehouse Space Estimator. While this tool has been designed to be as accurate as possible, actual warehouse space required may differ from estimates generated by this tool. Please use your judgment to determine if the estimates provided are right for your jurisdiction. Neither PLEJ nor EDI are liable for estimates that differ from actual warehouse space requirements. No information you enter is saved by PLEJ or EDI.

[Calculate New Storage Requirements](#) PLEJ Menu of Interactive TTX Ideas

Consider using this tool to:



Determine storage needs for required retention period (i.e. need 15 pallets if we don't have staff to consolidate voted ballots by voting method/precinct, vs 5 pallets if we consolidate)



Determine if you have enough space for upcoming election (i.e. we have space for 32 pallets through Feb 2027; anticipate 75 new pallets in Nov 2026; need to move 43 pallets to off-site storage for 3 months, at a cost of \$2,500)



Gauge impact of reconfiguring warehouse racking systems (deeper shelving, more racks, different box sizes)



- [Video Tutorial \(bit.ly/PLEJ-BSEV\)](#)
- [How-To Instructions on the Reverse Side](#)

BALLOSTORAGE.APP

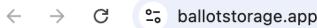
SCAN
ME! »





USING THE WAREHOUSE STORAGE ESTIMATOR

Step 1: Go to ballotstorage.app



Step 2: In the sidebar, enter the core information about your elections process.

Election Warehouse Space Estimator

 Watch the Demo Video

Number of past, current, and future elections to be in long-term storage: 

3

Enter the current number of registered voters: 

500000

Are ballots sorted into boxes by submission method for long-term storage? 

Yes
 No

Step 3: Enter the necessary information for each election and the ballots that will be stored.

Election Name 

Election 1

Is this a past or upcoming election? 

Past
 Upcoming

How many ballots were cast during this election? 

250000

Average Number of Ballot Cards: 

2

Step 4: Click to the "Equipment Storage" tab. Select equipment used from the dropdown menu.

Stored Equipment and Materials

Equipment Search: 

Search equipment...
Dominion ImageCast X
ES&S AutoMARK

Step 5: Enter the necessary information about quantity and storage setup for each equipment type.

Selected Equipment

Note: Make sure to check equipment dimensions for accuracy. You can adjust the dimensions of each equipment based on your storage methods.

ES&S DS200 (with ballot box)

Size: 45 H x 31 W x 29 L

Height (inches) 

Width (inches) 

Length (inches) 

45

31

29

Quantity: 60

Stored on Pallets Stored on Shelves

Step 6: Calculate your storage requirements!
Tool will return storage estimate in sq ft, cu ft, # of pallets.

You can also look at ballot and equipment storage separately.
Use information to enhance your storage planning and optimization.

| Storage Requirements | | |
|------------------------|--------------------|---------------------|
| Total Storage | Ballot Storage | Equipment Storage |
| Ballot & Equipment | Area (Square Feet) | Volume (Cubic Feet) |
| Total 5102.6 | 5102.6 | 9401.9 |

Note: Storage estimates should be used for informational purposes only. These may not accurately reflect actual storage requirements.

About PLEJ

PLEJ is a national, nonpartisan nonprofit providing a community of support to large election jurisdictions (those with 250K+ population or any of the four largest jurisdictions in the state or U.S. territory) and professional development opportunities to individuals working in the election administration space.



Wait-to-Vote Calculator

votetime.app

Allows election offices to plan ahead for in-person voting by estimating wait times based on ballot length, equipment allocations, and voters in line.



VBM Lead Time Calculator

vbmtime.app

Helps election offices plan the time to process mail ballots (arrival through verification, scanning, and tabulation, based on resources available).



Precinct Design Tool

votelayout.app

Allows election offices to create digital layouts of all assigned equipment, staff, etc at in-person voting locations by election type.