

# Meeting Notes

Posted May 2023



Notes from 2025 Title 24, Part 6 Code Cycle  
Utility-Sponsored Stakeholder Meeting for:

## Nonresidential and Multifamily Elevators

### Meeting Information

**Meeting Date:** 5/23/2023

**Meeting Time:** 9:00 am – 12:20 pm

**Meeting Host:** California Statewide Utility Codes and Standards Enhancement Team

### Meeting Agenda

Time	Topic	Presenter
10:00 AM	<b>Welcome and Introduction</b>	Nikki Westfall, Energy Solutions Javier Perez, PG&E Kelly Cunningham, PG&E
10:20 AM	Elevator Energy Efficiency	DJ Joh and Sean Steffensen, Energy Solutions
10:50 AM	Conclusion / Wrap-Up	DJ Joh, Cosimina Panetti, Energy Solutions
11:00 AM	<b>Adjourn</b>	

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**Meeting Participants** (available upon request by emailing [info@title24stakeholders.com](mailto:info@title24stakeholders.com))

### Action Items from Meeting

- The Statewide CASE TEAM followed up on all questions or comments that required a response and were not discussed during the meeting.

### Key Points from Meeting

This proposal for Nonresidential and Multifamily Elevators is important because:

- The GHG emission reduction is a tremendous benefit to the state of California due to reduced demand for electricity generation.
- The proposal is in alignment with natural market trends away from less efficient hydraulic elevators and removes incentives for builders focusing on reducing first costs with a trade-off in operating costs.

## Stakeholder Feedback Impacting Proposals

CASE Teams rely on feedback from stakeholders to create the best proposals possible. Since Round 1, stakeholder input has impacted this proposal in these ways:

The original proposal:

- Involved adopting and adapting ASHRAE 90.1 standards for elevator energy efficiency
- Utilized an ISO grade of efficiency that was dependent on operational parameters.
  - ISO 25745-2-2015 graded efficiency as a function of travel time, use, idle time, and idle power consumption.

The current proposal:

- Revised code adapted and improved from New York City's elevator code
- All new passenger elevators in new buildings with a rise of 33 feet and greater and a capacity of 4000 pounds or less will be traction type with a regenerative drive.
  - Exception: If there is insufficient building load to absorb regenerated power, regenerative drives are not required.

## MEETING NOTES

During the meeting, questions and comments were submitted in three distinct formats which are provided in these meeting notes in these [hyperlinked for quick access] sections:

1. **In-Meeting Questions / Comments:** Questions and comments submitted verbally during the meeting via the 'raise hand' function in GoTo Webinar, where participants were unmuted to speak, or in some cases, comments submitted in writing were discussed verbally during the meeting (in which case the person that commented may not be identified in these notes).
2. **Questions / Comments Submitted Via GoTo Webinar:** See this section for questions and comments submitted in written format via the GoTo Webinar question pane.
3. **Mentimeter Polls & Responses:** This section includes public comments and questions, including screen shots of the polls that were conducted during the meeting, and responses to those polls.

Due to time limitations, not all written questions and comments were discussed during the meeting but all have responses available in these meeting notes.

## In-Meeting Questions / Comments

1. **Question asked via GoTo Webinar question pane by Meg Waltner: Do you know roughly what percent of building energy use these savings represent?**
  - a. **CASE Team Response (DJ Joh):** The portion of overall building energy use from elevators is estimated to be 2-5%, depending on building type and height; the taller and thinner, the higher the percentage.

**2. Comment via GoTo Webinar by David Smarte: Hydraulic only use motor power when going up, not going down, already cost effective.**

- a. **CASE Team Response (DJ Joh and Sean Steffensen):** Our cost-effectiveness analysis measures the incremental savings against the incremental costs of implementing the proposed requirements against the stated base case, over the 30-year life of the elevator.

**Wrap-Up**

- All Draft CASE Reports will be posted May through June at [title24stakeholders.com](http://title24stakeholders.com)
- Meeting adjourned at 10:45 AM PST

**Questions / Comments Submitted Via GoTo Webinar**

The questions and comments below are provided as-submitted in the GoTo Webinar Question pane. Responses provided by CASE Team support team. In addition, some of these questions were verbally discussed during the meeting and are captured in the In-Meeting Questions / Comments section above.

<b>Question Asked</b>	<b>Response</b>	<b>Responder</b>
Hydraulic only use motor power when going up, not going down, already cost effective	See response in verbal comment number 2 in the 'in-meeting questions/comments' section above.	DJ Joh
Do you know roughly what percent of building energy use these savings represent?	See response in verbal comment number 1 in the 'in-meeting questions/comments' section above.	DJ Joh
Thanks -- that number just helps to answer your question on whether the savings amount seems reasonable.	Thank you!	DJ Joh
This proposal seems to do a great job of harnessing the potential savings from elevators in a clear and easy to understand way. This seems more enforceable than the earlier version of the proposal.	Thank you!	DJ Joh

## Mentimeter Polls & Responses

Go to [www.menti.com](http://www.menti.com) and use the code 1548 1883

Welcome! The 2025 Title 24 Energy Code Update Meeting will begin soon. While we wait, let's get acquainted. Where are you located?  
7 answers

maryland  
new york  
ohio  
santa rosa ca  
texas  
illinois  
naec

CALIFORNIA ENERGY CODES & STANDARDS  
A STATEWIDE UTILITY PROGRAM

What industry are you in? 5 Answers

Efficiency consulting  
Municipal energy code enforcement  
Elevator Association providing training and safety  
Non-profit advocacy  
Elevator Manufacturer

Do you have any experience with regen systems?

Response	Count
Yes, I have installed	1
Yes, I am familiar with them	2
No, I am not familiar with them	1

What changes to the proposal would you suggest to improve cost-effectiveness for building owners or help elevator installers? 1 Answer

I support the proposal as proposed.