

DOCKETED	
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Load Management Standards Workshop

January 17, 2024



Purpose and Participation

- Purpose
 - To provide an update on Load Management Standards implementation
 - To provide and receive information about the planned statewide rate tool
- This workshop is being held remotely
- A recording of this workshop will be posted online



Participation

- All lines are muted
- Comments will be taken after the presentations – orally or typed into the Q&A
- Comments are limited to three minutes per commenter
- All statements today become part of the public record



Schedule

1. **9:00 – 9:25** Welcome and Commissioner remarks
 - CEC Commissioner Andrew McAllister
 - CPUC Commissioner Darcie Houck
2. **9:25 – 10:00** Load management implementation update
3. **10:00 – 10:45** Third-party needs for the statewide rate tool
4. **10:45 – 10:55** Break
5. **10:55 – 11:30** Utility and CCA update on the statewide rate tool
6. **11:30 – 1:00** Public comment period (may end early)



Implementation Update



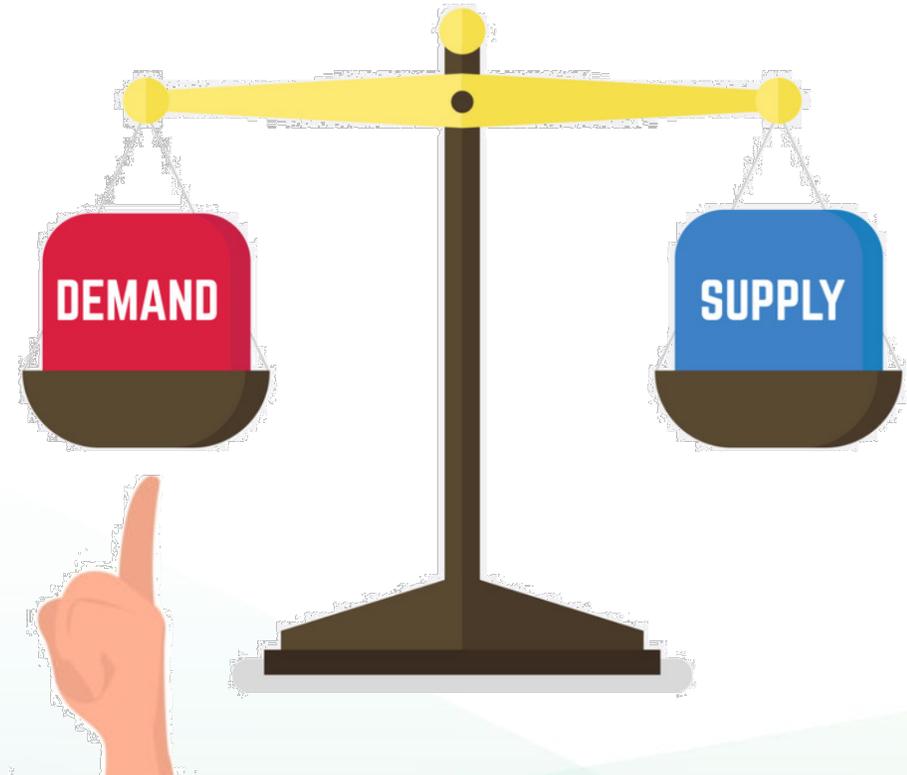
CEC Load Management Authority

- The commission shall... **adopt standards by regulation** for a program of electrical load management for each utility service area.
 - In adopting the standards, the commission shall consider, but **need not be limited to**, the following load management techniques:
 1. Adjustments in **rate structure** to encourage use of electrical energy at off-peak hours or to encourage control of daily electrical load.
 2. End use **storage systems** which store energy during off-peak periods for use during peak periods.
 3. Mechanical and **automatic devices and systems** for the control of daily and seasonal peak loads.
- Warren Alquist Act, 1974
Public Resources Code § 25403.5



Load Management Definition

The process of maintaining the electric supply-demand balance by adjusting the load rather than the power station output.



Load management is also commonly known as load flexibility or demand flexibility



Load Management Goals

- Reduce greenhouse gas emissions
- Improve grid reliability
- Reduce electrical system costs
- Increase customer choice

California Goals

- **60% retail sales served by renewable generation by 2030**
- **100% of new vehicles sold emissions free by 2035**
- **100% carbon-free grid by 2045**



Adopted Load Management Standards

1

Rate Database

- Maintain the accuracy of existing and future time-varying rates in the publicly available and machine-readable MIDAS rate database

2

Third-Party Services

- Develop a standard rate information access tool to support third-party services access to customer rate information

3

Hourly Rates

- Develop and submit locational rates that change at least hourly to reflect marginal wholesale costs

4

Customer Education

- Integrate information about new time-varying rates and automation technologies into existing customer education and outreach programs



LMS Timeline



Date	Milestone
April 2023	Load Management Standards go into effect
July 2023	Upload existing time-dependent rates to MIDAS
2023-2024	Submit compliance plans
April 2024	Rate identification numbers on customer bills
October 2024	Submit rate information access tool
2025	Submit load management rates and programs
2026-2027	Implement load management rates and programs



Single Statewide Rate Tool



Basic Tenets

All customers should be able to:

- Purchase automation that can respond to price or GHG emission signals
- Readily find the current price of electricity for their building
- Connect their devices to their time-varying electricity rate
- Quickly give their automation service provider access to their rate
- Choose to receive prices or GHG signals that change hourly or sub-hourly
- Feel confident that cybersecurity risks are low or nonexistent

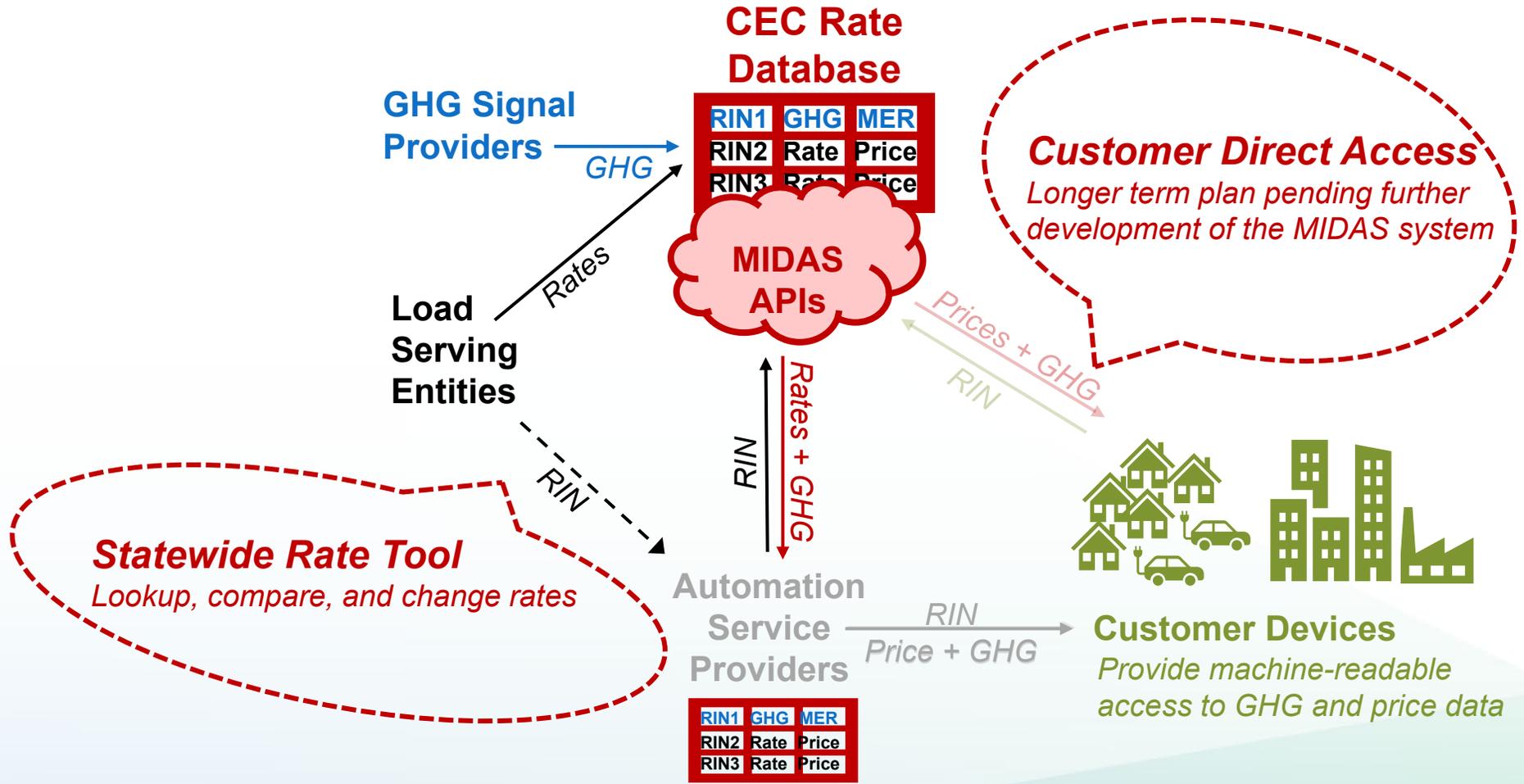


Statewide Tool Requirements

- Regulated parties develop a single statewide tool for rate data access
- The statewide rate tool shall (with customer approval):
 - Provide the customer's Rate Identification Number
 - Provide eligible RINs and compare rates*
 - Enable switching to an available rate
 - Incorporate applicable safety measures
 - Minimize enrollment barriers
 - Be accessible in digital, machine-readable format

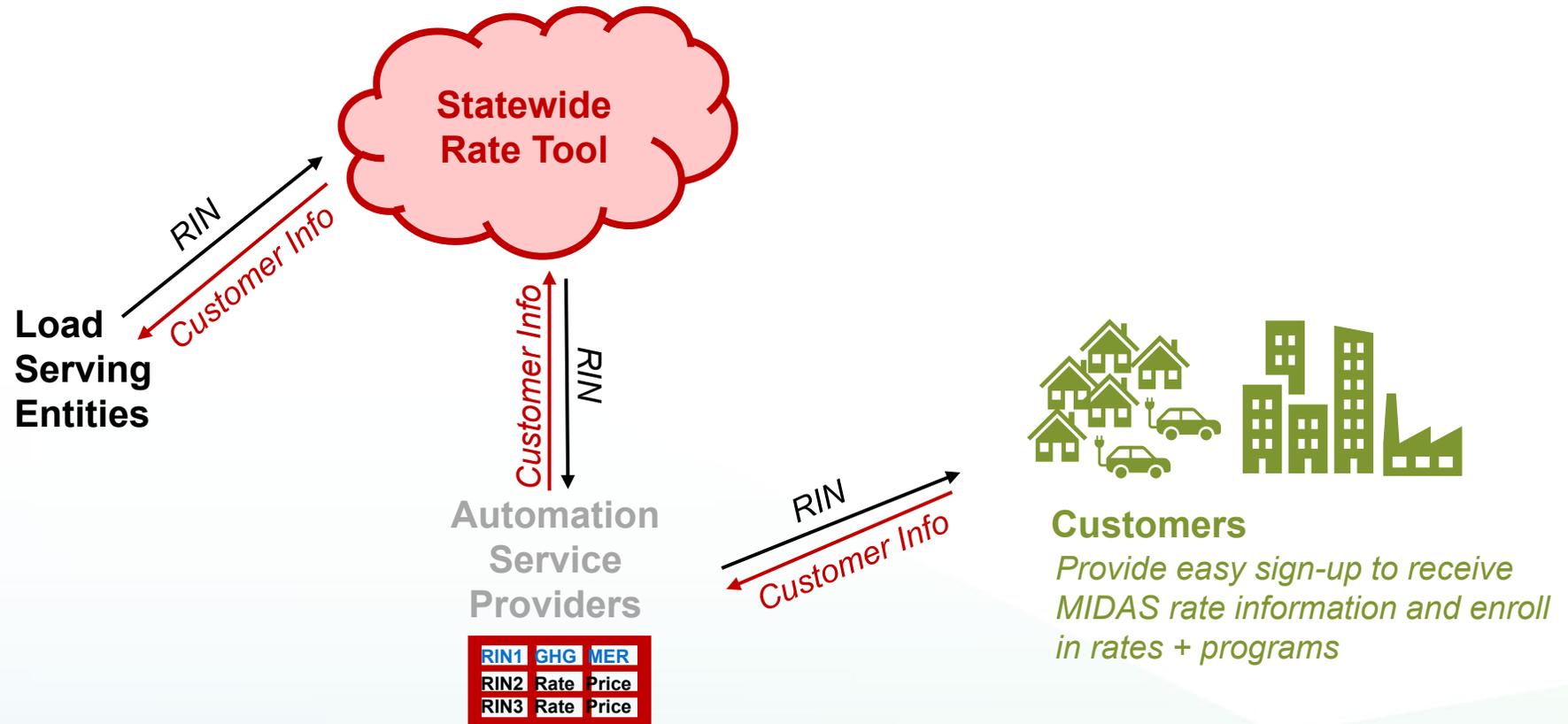


Rate Data Pathways



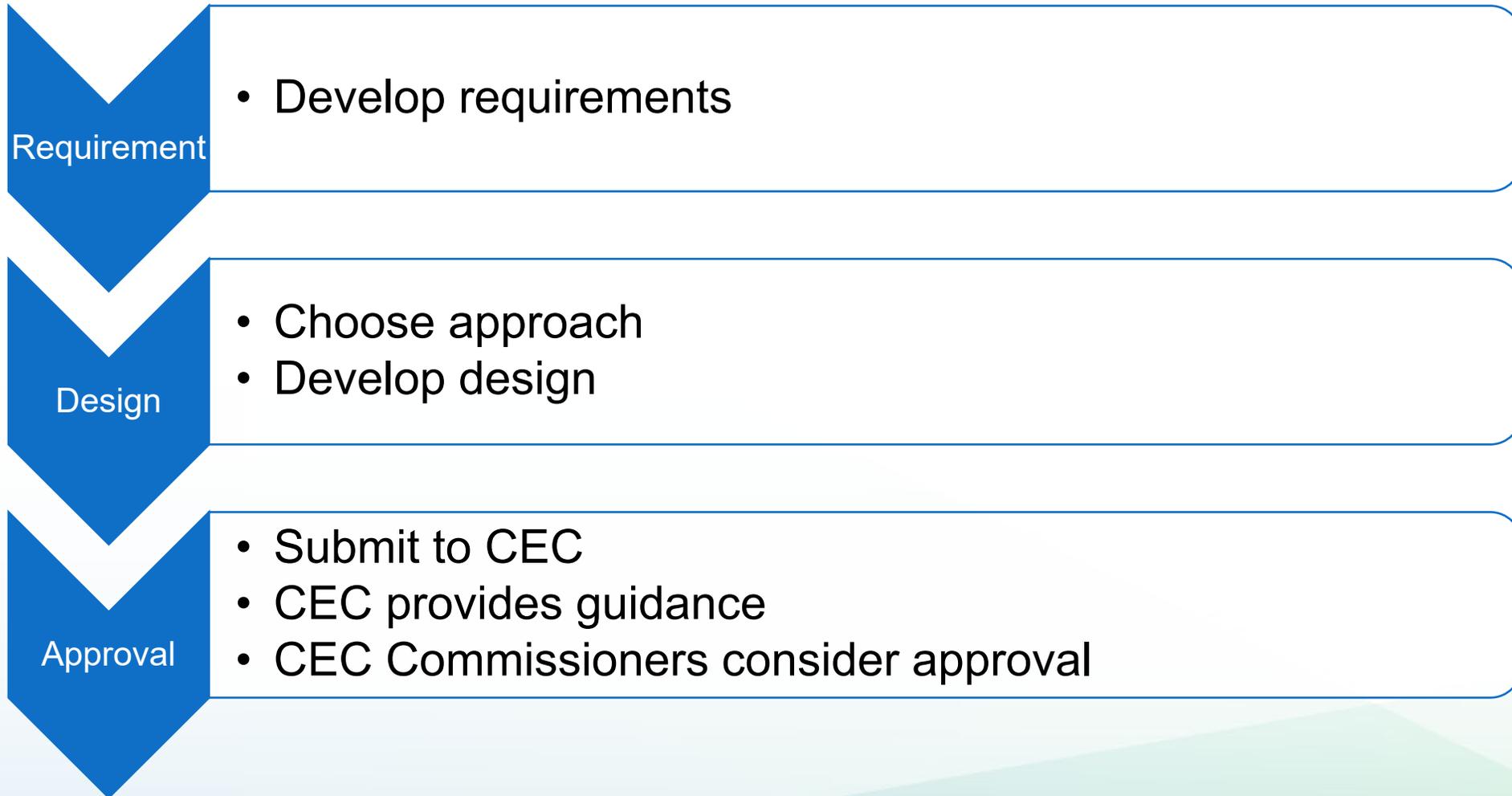


Statewide Rate Tool



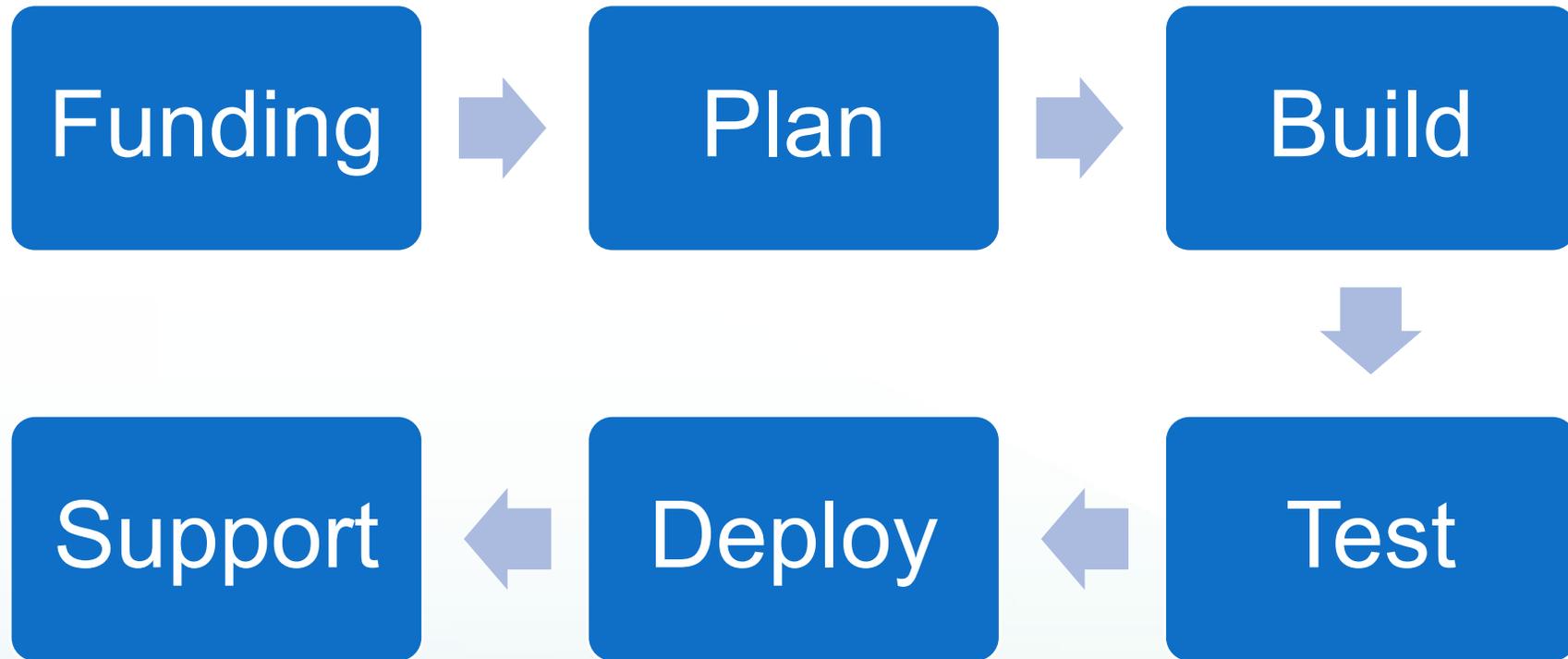


Process – Part 1





Process – Part 2





Thank You!

Contact the Load Management Standards team at
loadflex@energy.ca.gov



Public Comments

- Limited to 3 minutes per commenter
- To comment
 - By computer: use the "raise hand" feature in Zoom
- Over the telephone: dial *9 to "raise hand" and *6 to mute/unmute your phone line
- You can type questions into Q&A at any time
- State your name and affiliation before speaking

3-MINUTE TIMER

