IBPSA Project 2: BOPTEST
Task 3 Emulator development
Virtual Progress Meeting
10/06/2025
7:30 AM –8:30 AM U.S. Pacific Time

Participation

	Name	Affiliation
1	Ettore Zanetti	LBNL
1	David Blum	
1	Kun Zhang	École de Technologie Supérieure (ÉTS)
1	Hongwen Dou	École de Technologie Supérieure (ÉTS)
1	Iago	Cupeiro Sinte

Minutes:

High temperature thermal storage model presentation (Hongwen Dou)
Hongwen presented a simplified high temperature (~700°C) brick thermal storage used in Canada for demand shifting that will be added to the ETS test case.

Current Emulator developments
- Large Office [Yan, Xing]
   The test case was merged into the master after the latest issues were resolved. It will be made available in the next release officially.

- Twozone Apartment Hydronic [Ettore]
   Two Zone Model will be updated with DER and Storage.

- DTU emulators [Matthias]
   Residential test case close to completion and almost ready for review. School still under development.

- ETS emulator [Kun]
   Kun's postdoc Hongwen Dou has made progress on the test case development: the main update is that he has made a first draft on the thermal storage model development and is in the process of validating it with experimental data.