IBPSA Project 2: BOPTEST
Task 3 Emulator development
Virtual Progress Meeting
11/03/2025
7:30 AM –8:30 AM U.S. Pacific Time

Participation

	Name	Affiliation
1	Ettore Zanetti	LBNL
1	David Blum	
1	Jaap Neven	KU Leuven
1	Cas Bex	KU Leuven
1	Hongwen Dou	École de Technologie Supérieure (ÉTS)
1	Nikolai Drigal	PNNL

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

- Twozone Apartment Hydronic [Ettore]
  The test case was updated to MSL 4 addressing several open issues, see PR [#799](#)

- 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.

- YARDS
  Added support for providing alternative forecasts. Added feature to include different library versions. Add support for parallel model builds.