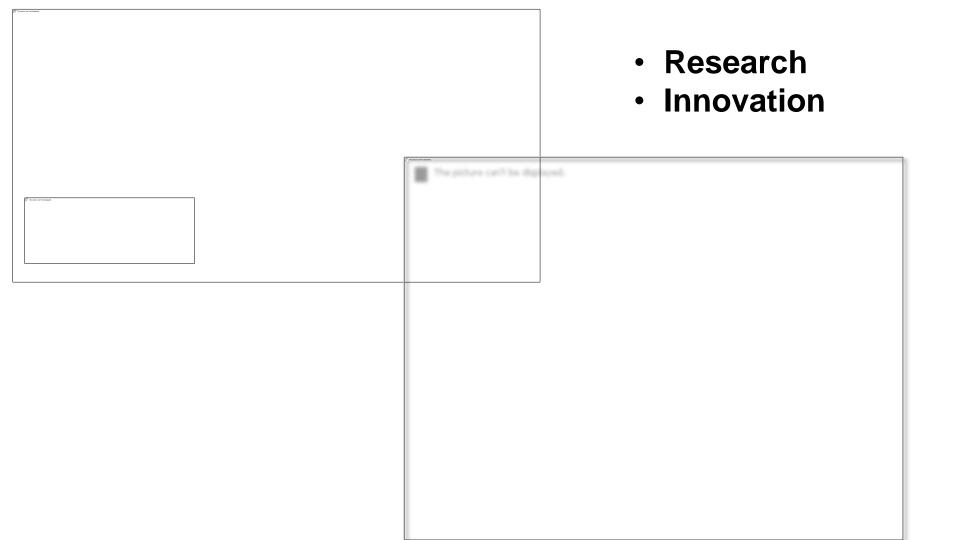
BuildZero.Org - Background

- Team
- History: Zero Energy Building Design and Energy Modeling
- Vision
- Challenges
- Mission: Digital Infrastructure = Cloud Software Platform
- Software prototype demo
- Questions

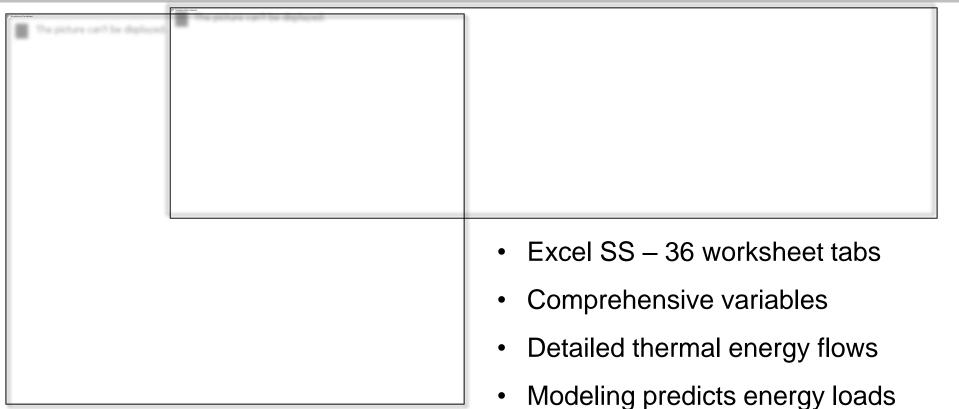
High Performance Buildings

- Passive House Design / Build
- Zero Energy Design / Build



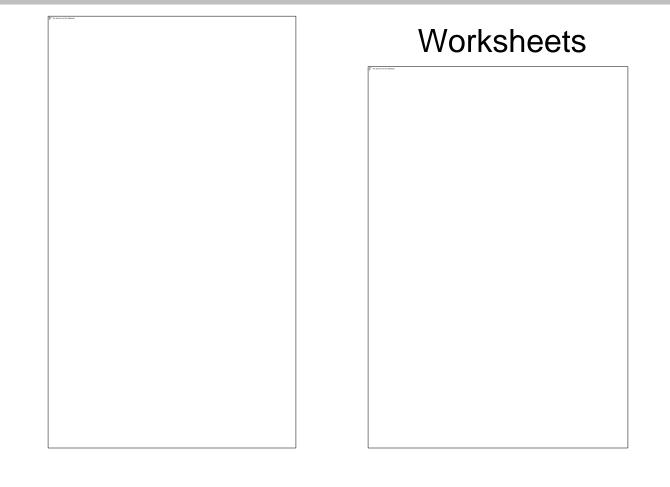


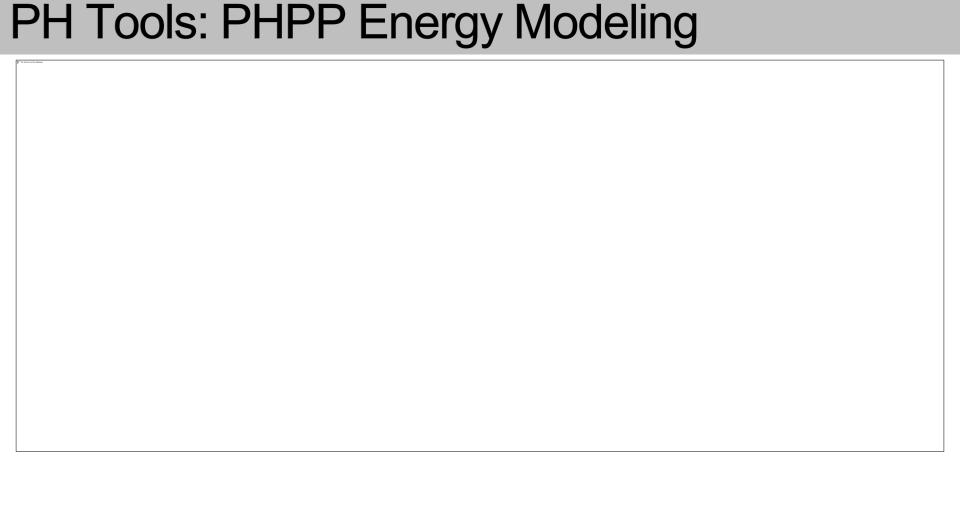
PH Tools: PHPP Energy Modeling

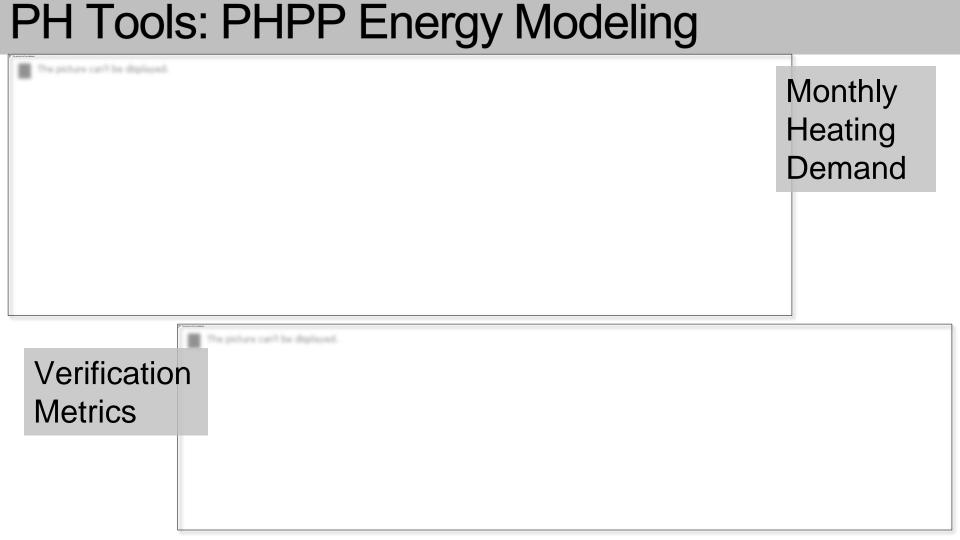


Solves EB Equation

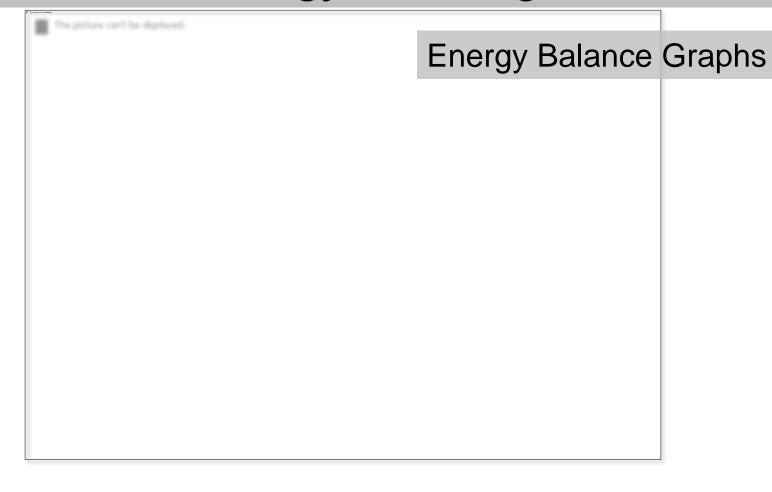
PH Tools: PHPP Energy Modeling







PH Tools: PHPP Energy Modeling



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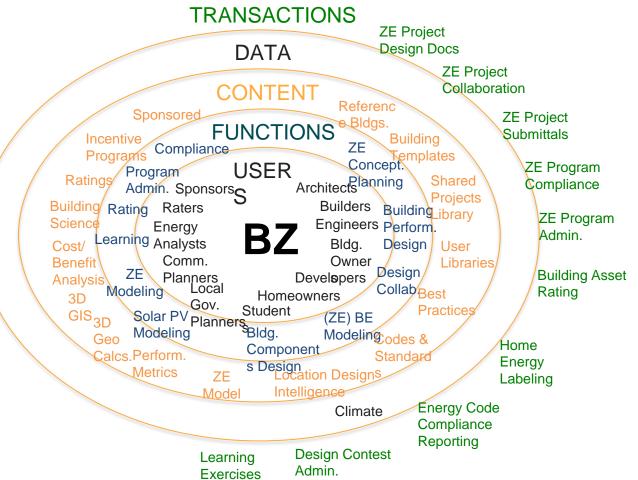
Barriers to Climate Action Policy Implementation

1. Inertia of existing building culture

Lack of:

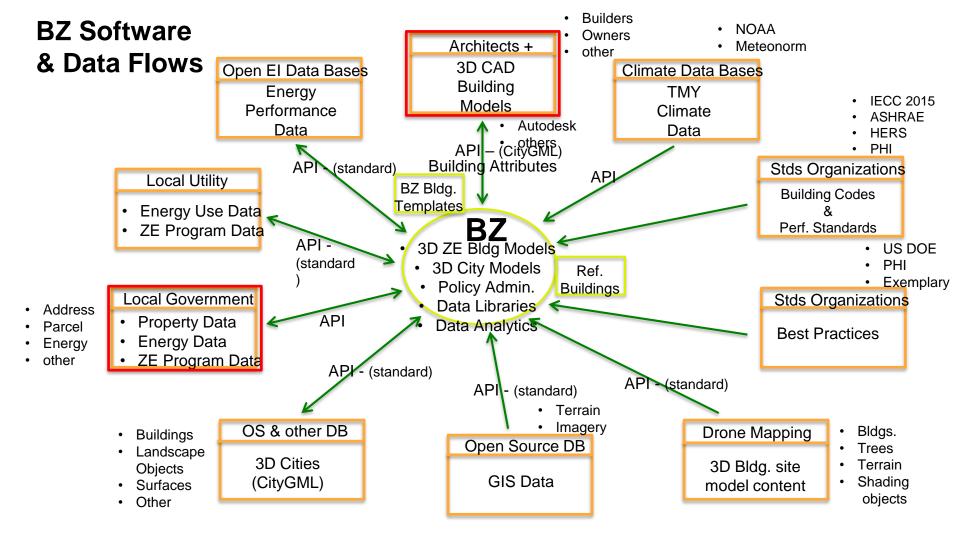
- 2. Knowledge and Design Skills (Software/AI)
- 3. Policy Implementation Logistics (Software)
- 4. Decision Support Tools (Analytics Software)
- 5. Community Engagement (Software)

BuildZero
Multi-sided
Cloud Platform
Vision



Draft: 28 April 2017

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BuildZero Platform – Open International Standards: Inter-operability for software and data sharing

Area	Standards
Energy Calculations	EN ISO 52000 (EPB compliant) (formerly ISO 13789/90 etc.)
Energy Model Validation	IEA & NREL "BESTtest" (ASHRAE Std 140)
GIS Data	OGC (Open Geospatial Consortium)- GML3 & others
BZ Buildings Data Model	CityGML + Energy ADE
Open Source Software	JavaScript libraries, GIS, 3D data, BZ core, etc
Open Source Data	GIS (e.g. Open Street Maps), imagery, terrain, cadaster, lidar, etc.



BuildZero transforms our ability to mitigate climate change.

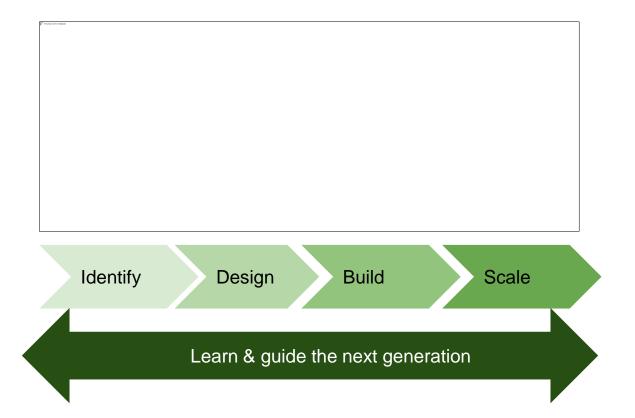


... an open access digital platform that powers Zero Energy, Zero Carbon policy implementation.

BuildZero Technology Stack

Building Energy Designer demo

Through access to interactive data you can navigate the path to creating our zero energy future



Build Zero: The Social Enterprise Model

- → Drive usage to achieve adoption
- → Introduce transaction fees to enable revenue source to fund platform growth
- → Secure sponsorship
- → Add premium user capabilities
- → Offer brand advertising for energy conscious companies with aligned purpose

How You Can Help Build a Movement

Opportunities

- Test
- Invest
- Request