

# VA HB2001: high performance buildings act

## Requirements Summary

### BUILDINGS MUST:

- ▶ Be designed, constructed, verified, and operated to comply with a high-performance building certification program
- ▶ Have sufficient ZEV charging and fueling infrastructure
- ▶ Include features that permit the measurement of energy consumption and associated carbon emissions
- ▶ Incorporate appropriate resilience and distributed energy features

### APPLIES TO STATE AND LOCAL GOVERNMENT BUILDINGS (INCLUDING SCHOOLS):

- ▶ New construction > 5,000 gross square feet
- ▶ Renovations where the cost of the renovations exceeds 50% of the value of the building

### APPROVED HIGH-PERFORMANCE BUILDING CERTIFICATION PROGRAMS:

- ▶ VEES (Virginia adaptation of IgCC 2018; see CPSM)
- ▶ LEED (certified)
- ▶ Green Globes (one globe)

### SUFFICIENT ZEV CHARGING/FUELING INFRASTRUCTURE:

- ▶ Include EV ready charging electrical capacity and pre-wiring sufficient to support every passenger-type vehicle owned by the locality and available for use by the locality that will be located at the building upon full occupancy projected for the first 10 years, OR
- ▶ Achieve the ZEV or EV charging credit for a high-performance building certification program

### MEASUREMENT CAPABILITY

- ▶ Meter all electricity, gas, water, and any other utilities













### RESILIENCE AND DISTRIBUTED ENERGY FEATURES [this element applies to localities only, not state projects]

- ▶ Assess local hazards (e.g., acts of nature, failures of systems, adversarial acts) and design accordingly
- ▶ Include provisions for on-site renewable and emergency energy systems

# VA HB2001: high performance standards

## Option Comparison

---

	IgCC 2018	LEED v4/v4.1	Green Globes
Ability to customize project's green strategy list			
Compliance determined by subject matter expert(s)			
Appeal process clearly articulated			
Plaque available to signal achievement to occupants			
Cost to implement	\$\$\$	\$	\$

---