- VRE resource data
- Land use land cover
- Protected areas
- Elevation and slope

VRE generation

VRE direct levelized

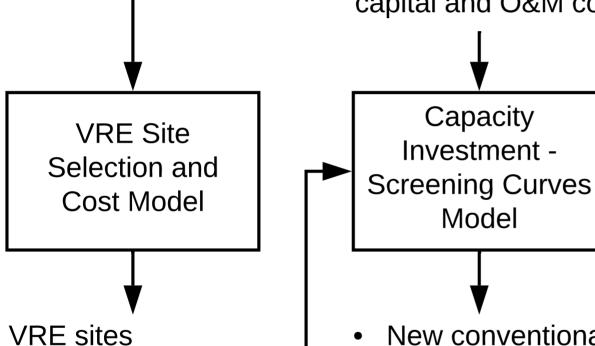
profiles

costs

VRE capital and O&M costs

- 2014 hourly load profile
- 2030 peak demand and energy forecast
- 2030 hourly load forecast
- New conventional capital and O&M costs

- **Existing generation** capacity and costs
- Constraints on conventional generation
- Emissions factors



New conventional capacity

Capacity buildout costs

System Operations -**Economic** Dispatch Model

- **Energy generation**
- System operations cost
- Carbon emissions