



## Project to do list / Pathways to zero & beyond

1. **Set clear & measurable performance goals** (examples include ILFI Net Zero Carbon, Energy Petal, Living Building Challenge, LEED Zero, PHIUS Zero, etc.)
2. **Design a fossil fuel free building** (assumes no fossil fuels on-site, no natural gas, propane, oil, diesel, etc.)
3. **Design solar responsive architecture** (envelope is optimized for passive daylighting, solar controls and solar electric energy production)
4. **Design integrated envelope and HVAC building systems**
5. **Estimate performance with energy and emissions simulations**
6. **Collaborate with professionals who can ensure accurate simulation results** (be cautious of over simplified software)
7. **Measure whole life carbon** (includes embodied carbon, refrigerants, operational emissions and end of life impacts)
8. **Use energy as a proxy metric, your main focus should be on greenhouse gas emissions (GHGe)**
9. **Use the best electrical grid emissions rates you can find** (ideally these would be utility specific emissions rates)
10. **Offset carbon emissions through sequestered carbon or carbon offsets** (see ILFI guidelines for offsets)

find more resources @ [NZCbuilding.com](https://www.nzcbuilding.com)

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