



## 'Zero' Rating Systems Reviewed - September 2022

The table below is just an overview to highlight items covered and key differences. See each program for the most up to date requirements.

Rating System	Operational Emissions	Embodied Emissions	Refrigerant Emissions	Commuting Emissions	Renewables	Minimum Efficiency	Carbon Offsets	Min. Tracking Months	Burning Fossil Fuels Allowed?	Metric of Note	Comments
<a href="#">ILFI Zero Carbon</a>	100% of on-site energy use offset	Show a reduction of at least 10% & offset	Not included	Not included	On or off-site	Yes	Green-e Climate or equivalent	12	No	Greenhouse Gas Emissions	Overall this program covers most emissions. Gaps include refrigerants and MEPT embodied emissions.
<a href="#">ILFI Zero Energy</a>	100% of on-site energy use generated	Not included	Not included	Not included	On or off-site	Yes	Not included	12	No	Site Energy	This program covers site energy and avoids source factors which can incentivize natural gas usage.
<a href="#">LEED Zero Carbon</a>	Carbon Balance = Total Carbon Emitted - Total Carbon Avoided	Not included	Not included	Included	On or off-site	Yes	Green-e Climate or equivalent	12	Yes	Greenhouse Gas Emissions	Adds commuting which is a Scope 3 emission. Emissions factors incentivize natural gas use. Doesn't include embodied carbon.
<a href="#">LEED Zero Energy</a>	Source Energy Balance = (Total Source Energy Delivered – Total Non-Renewable Source Energy Displaced)	Not included	Not included	Not included	On or off-site	No	No	12	Yes	Source Energy	Source factors incentive burning natural gas on-site. Doesn't include embodied carbon.
<a href="#">PHIUS Zero</a>	Has unique load requirements.	Not included	Not included	Not included	100% of Source Energy	Yes	No	12	No	Source Energy	Has unique load requirements. Need to watch out for larger buildings being over insulated with high embodied emissions materials like spray foam.

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

contact: [info@nzcbuilding.com](mailto:info@nzcbuilding.com)

© NZC Building