

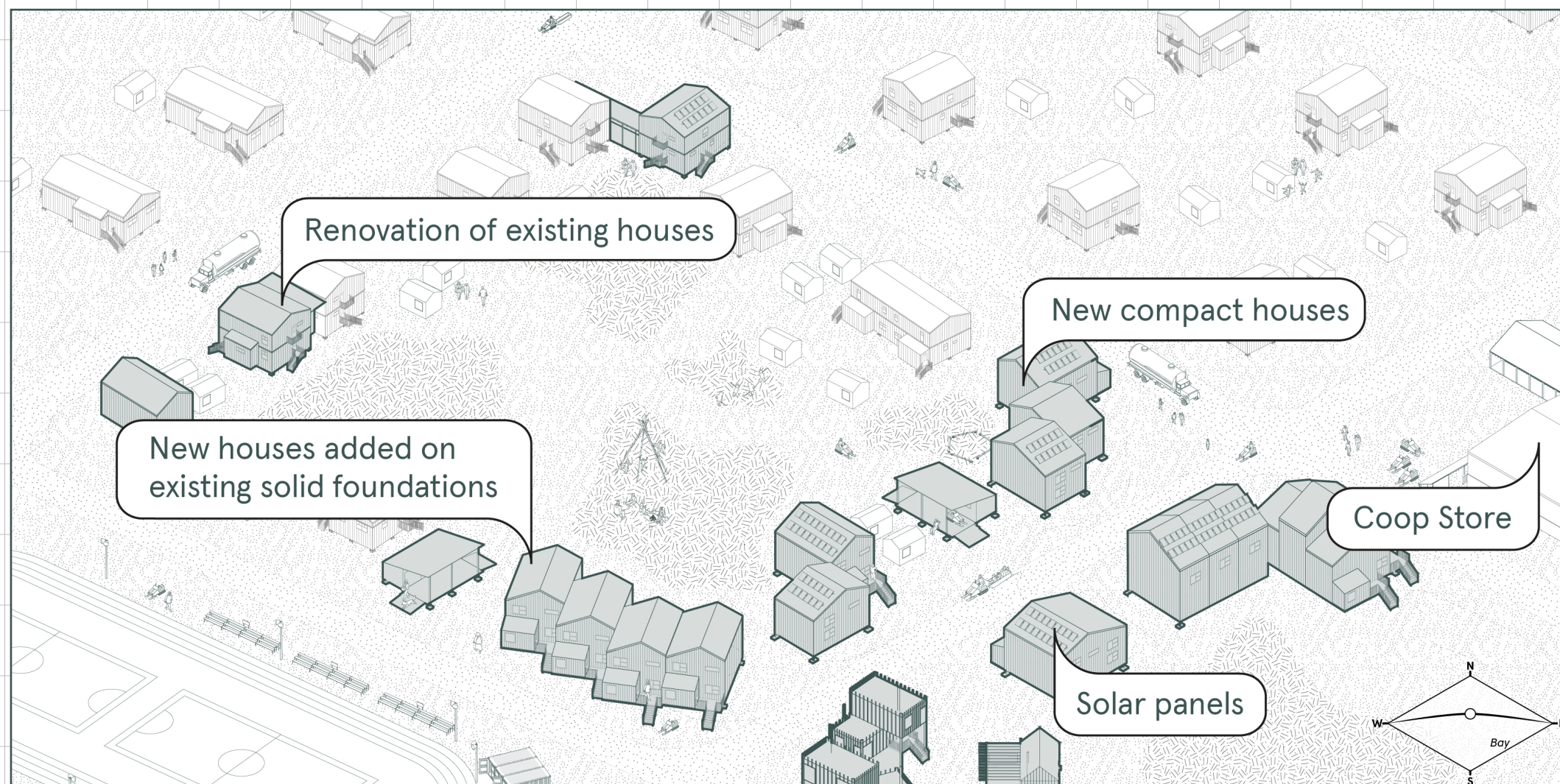
TO SAVE RESOURCES

The living environment supports the sustainable management of natural resources

LAND AND ENVIRONMENT

MEANS OF ACTION

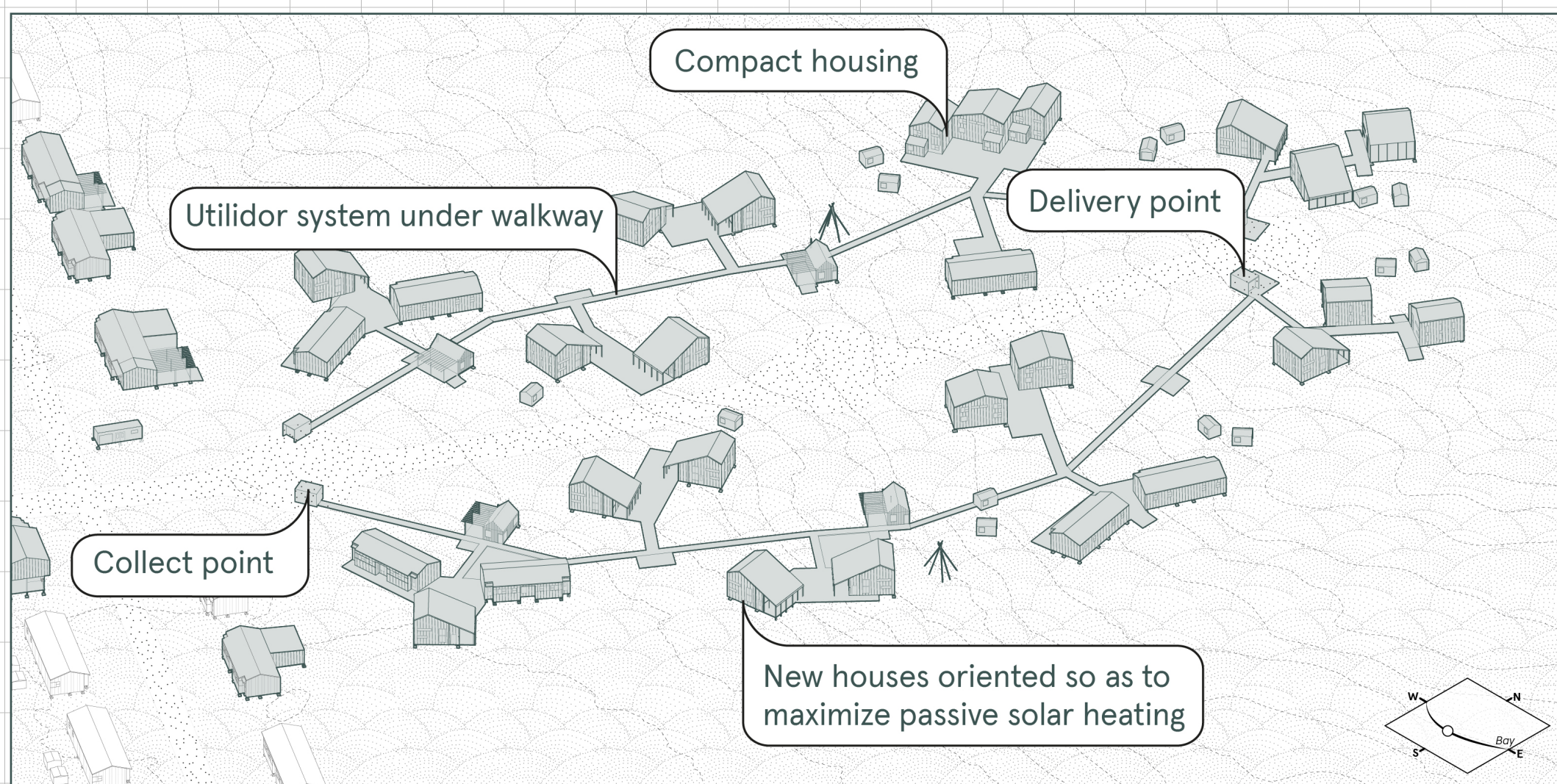
- 3.1 Implement alternative energy sources to reduce diesel dependence
- 3.2 Enable alternative methods for distributing drinking water and fuel
- 3.3 Promote compact built forms to reduce energy and materials consumption
- 3.4 Promote passive architectural strategies
- 3.5 Encourage materials' reuse by way of recycling coop initiative near the waste disposal site
- 3.5 Develop ways to reuse on-site gravel



VILLAGE CENTER

Maximizing the use of existing pads reduces the need for granular material. New, energy-efficient semi-detached houses can be built on smaller lots. Green energy can also be produced via solar panels installed on the roofs.

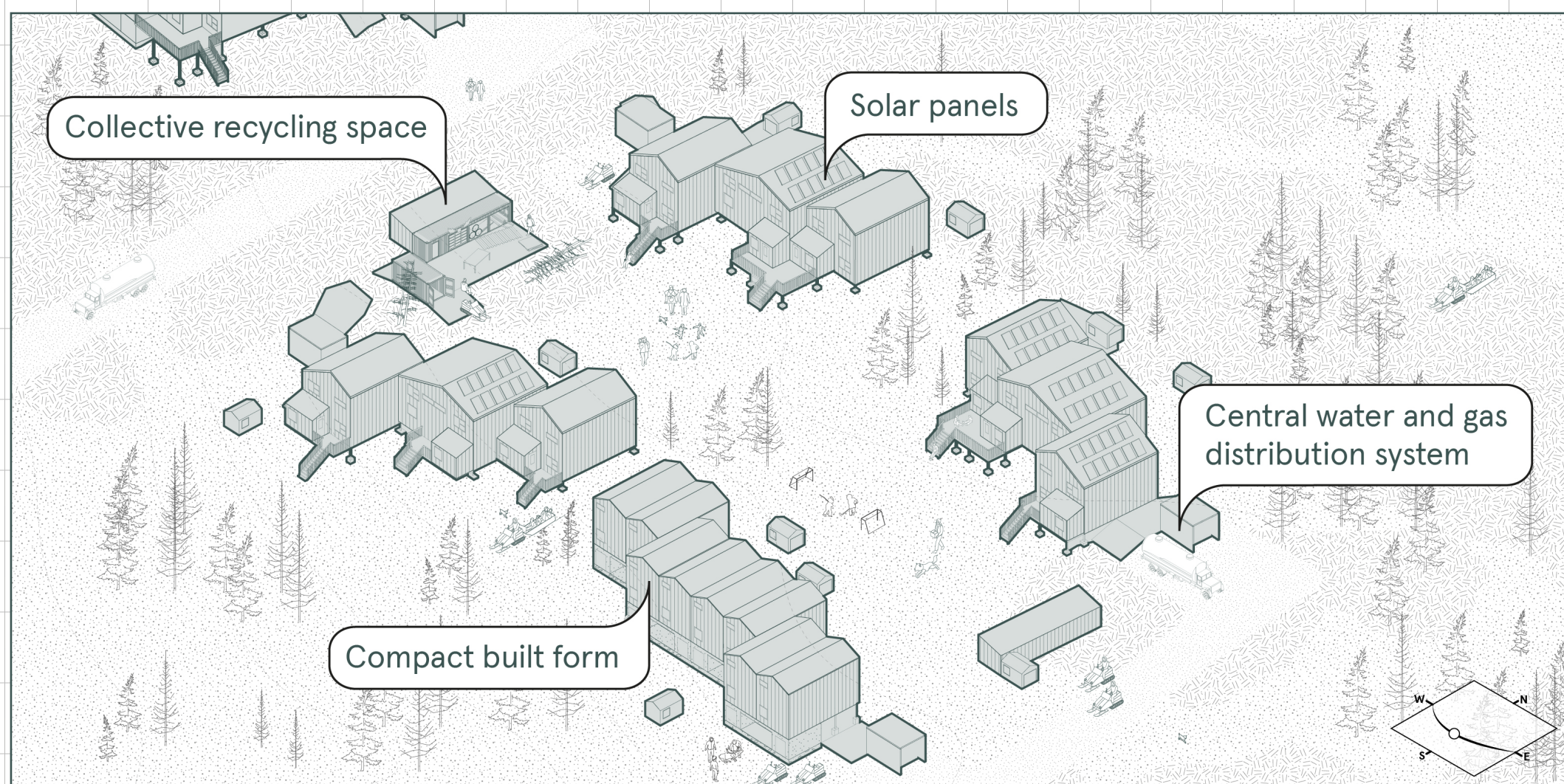
Grouping houses into small clusters means sharing large-enough water and fuel tanks. Such joint facilities demand less back-and-forth truck deliveries. Also, by orienting tanks towards the streets, truck maneuvers are simplified and more efficient.



RESIDENTIAL AREA

Utilidors are a well-known alternative method to the distribution of fuel and water by using gravity. This means less door-to-door deliveries in favor of shared delivery (uphill) and collect (downhill) points.

Combined with more compact and strategically oriented housing configurations for passive heating and solar panels, Utilidors help reduce the overall diesel dependence in the village.



NEW DEVELOPMENT

A centralized water and gas distribution system to supply the cluster of houses reduces the amount of truck deliveries. Also, these compact clusters demand less energy than the standard dwellings.

Solar panels are added onto some of the roofs to self-produce local energy, thereby diminishing the demand for imported fuel.

Collective recycling sheds provide residents with easy access to reusable materials which would otherwise have ended up in the waste disposal site. This recycling shed can comprise other uses such as a work space or storage.