

Table 4.6 Summary of the main indicators (ZenN Monitoring report draft, IVL 2017)

	Before renovation [kWh/(m <sup>2</sup> yr)]	161
	After renovation (simulation) [kWh/(m <sup>2</sup> yr)]	76.2
Final energy	After renovation (monitoring) [kWh/(m <sup>2</sup> yr)]	96.5
	Reduction calculated [%]	52.7 %
	Reduction monitored [%]	40.1 %
Primary energy	Before renovation [kWh/(m <sup>2</sup> yr)]	97.2
	After renovation (simulation) [kWh/(m <sup>2</sup> yr)]	71.4
	After renovation (monitoring) [kWh/(m <sup>2</sup> yr)]	65.5
	Reduction calculated [%]	26.5 %
	Reduction monitored [%]	32.6 %
GHG emissions	Before renovation [g CO <sub>2eq</sub> /(m <sup>2</sup> yr)]	24.8
	After renovation (simulation) [g CO <sub>2eq</sub> /(m <sup>2</sup> yr)]	13.4
	After renovation (monitoring) [g CO <sub>2eq</sub> /(m <sup>2</sup> yr)]	15.3
	Reduction calculated [%]	46.0 %
	Reduction monitored [%]	38.2 %
On-site generation	PV [kWh/(m <sup>2</sup> yr)] (simulation)	3.1
	PV [kWh/(m <sup>2</sup> yr)] (monitoring)	3.5
	PV [kWh/(m <sup>2</sup> yr)] (normal-year corrected)	2.7