



Project information

Project type:	New ECO apartments
Address:	Laröd Östra/Droskan
End construction year:	2010
Building type:	Multi family houses
Dwellings:	80 in part 1
Storeys:	1-2
Persons in building:	176
Gross area BTA:	7,932 m ²
Net area:	7008 m ²
Window/door area:	1190 m ²
Total eligible costs:	28 €/m ²
Total costs:	832 €/m ²

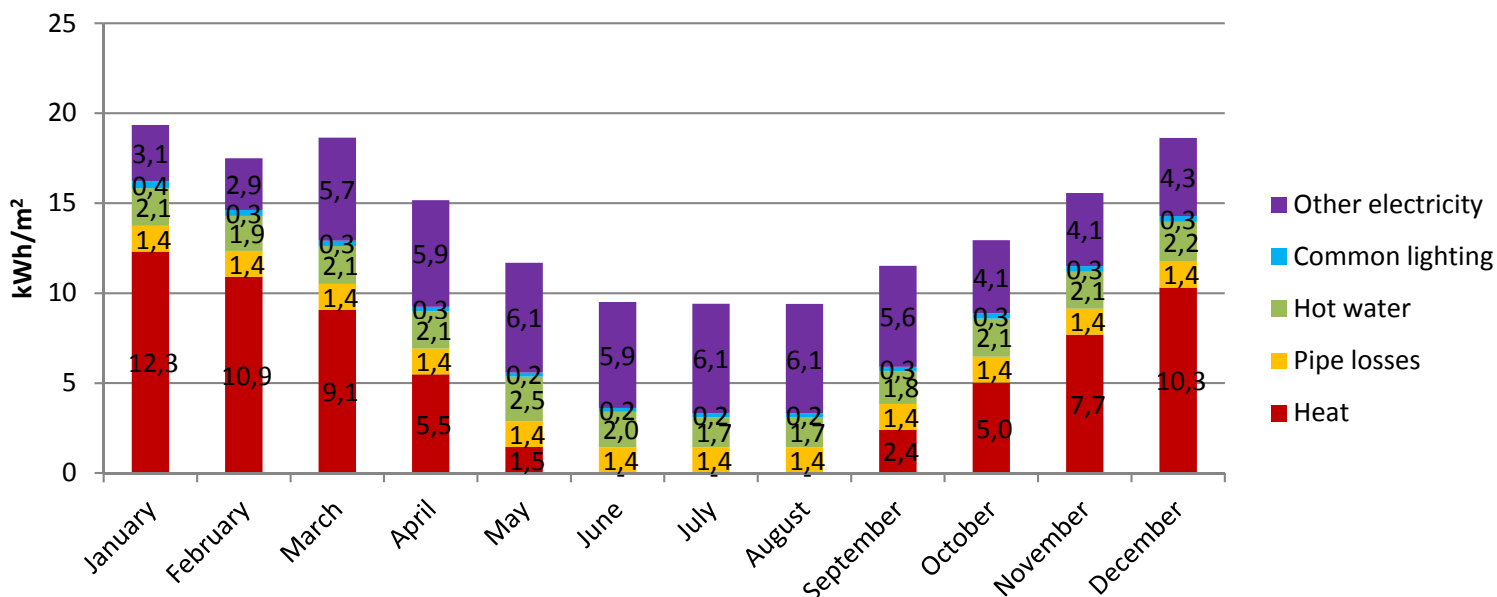
Special ECO-technologies applied:

- Optimisation of window type
- Passive solar
- Avoidance of thermal bridges
- Increased insulation
- Demand controlled ventilation
- Ventilation with heat recovery
- Low energy domestic appliances
- Demand controlled circulation
- Water saving fixtures



Energy consumption

Energy consumption 2012 - Degree day corrected

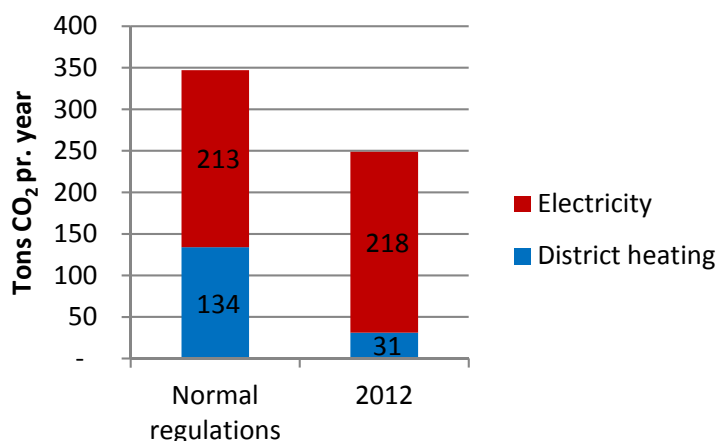


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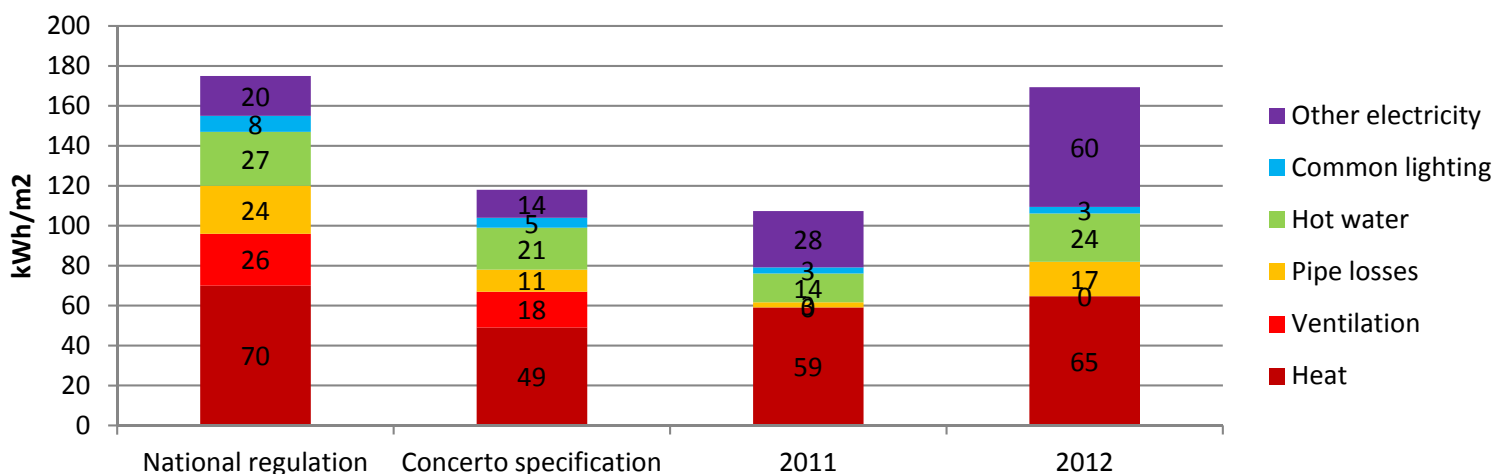
Lessons learned:

- Demand controlled ventilation have been tested

CO₂ emission



Energy – specifications and consumption



Key figures

Heat trans.	Unit	Normal practice	Concerto spec.	Actual	Energy consumption	Unit	Normal practice	Concerto spec.	Actual 2011	Actual 2012
Outerwall	W/m ² K	0.4	0.25	0.25	Heat	kWh/m ²	96	67	59	65
Roof	W/m ² K	0.25	0.2	0.2	Pipe losses	kWh/m ²	24	11	3	17
Floor	W/m ² K	0.3	0.25	0.25	Ventilation	kWh/m ²	-	-	-	-
Windows	W/m ² K	N.A.	1.1	0.9	Hot water	kWh/m ²	27	21	14	24
Glazing	W/m ² K	1.8	<1.1	1.1	Total heat	kWh/m²	147	99	76	106
Doors	W/m ² K	-	-	1.8	Lighting	kWh/m ²	50	35	3	3
Vent. rate	h ⁻¹	-	0.5	0.5	Other	kWh/m ²	-	-	28	60
					Total elec.	kWh/m²	50	35	31	63
					Solar heat	kWh/m ²	0	0	0	0
					Total	kWh/m²	197	134	107	169

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