



Samhällsbyggnadsbolaget

Green Bond Developments

ANNUAL REPORT 2020
SAMHÄLLSBYGGNADSBOLAGET I NORDEN AB

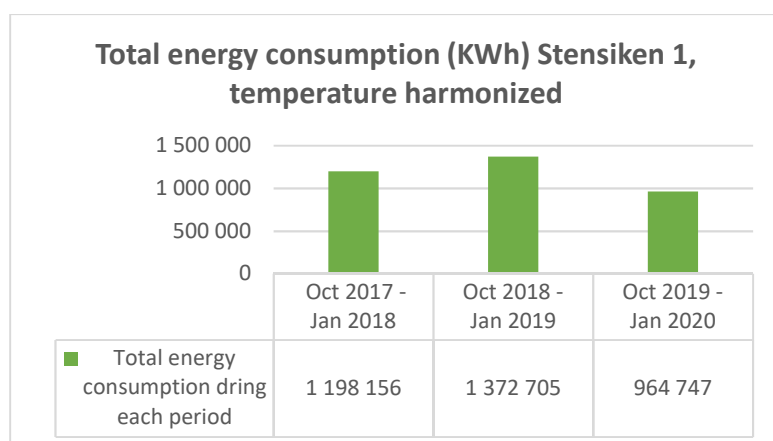
1. Summary of Green Bond Developments

During 2018 and 2019 SBB implemented five energy efficiency projects financed by our green bonds. The projects, three of which were deployed at year end 2019/2020, are at the properties Stensiken 1 (Tidaholm), Yggdrasil 1&2 (Skara), Valhall 5 (Skara), Hermod 1-4 (Skara) and Tellus 1 (Motala). For the first two projects, we have actual savings figures from four autumn and winter months, see the tables below. The reported savings in Valhall 5 are based on the actual savings figures from Yggdrasil and Stensiken as the properties and projects are of an equivalent nature. For the Hermod property, we can only present estimated figures as the project is ongoing and for Tellus 1 we will report on the outcome in the Green Bond Developments Annual Report 2021. The projects include the following measures: additional insulation, recycling of heat from exhaust air and wastewater and the installation of heat pumps applying recycled energy to generate heat for the buildings. In addition to energy saving projects, apartment renovations have also been carried out in parallel in all these properties. During the renovations, the apartments were decontaminated from asbestos and other environmentally hazardous waste. Energy efficient water mixers were installed, and bathtubs were replaced with showers.

2. Actual Savings Outcome in Implemented Projects

The tables below show how energy consumption has been affected by our energy efficiency investments compared to the same period in 2017/2018 and 2018/2019. Total energy means the sum of purchased district heating and purchased building electricity. Purchased district heating includes energy for domestic hot water. The values are adjusted for an average year, implying that we have taken into account that the figures are different for cold and warm periods, respectively. Average year data is sourced from SMHI. We have assumed that 75 per cent of district heating is attributable to heating and 25 per cent to hot water. We have therefore adjusted for an average year for 75 per cent of district heating as tap water consumption is not affected by the outdoor temperature. It is worth noting that in all properties additional insulation has been carried out with completion by the end of 2019/2020, the effect of which can be seen in January 2020 and therefore is only partially included here. Against this background, we believe that our target of 30 per cent reduction in energy consumption has been achieved.

In Stensiken 1, in 2017, we did not have approved ventilation in the property due to incorrect window valves and low ventilation flow, which was an existing problem that the property had prior to SBB owning it. This meant an abnormally low energy consumption because the property lacked proper ventilation. This problem is now fixed, but it also means that energy consumption has increased significantly compared to 2017 when the property partially lacked ventilation.



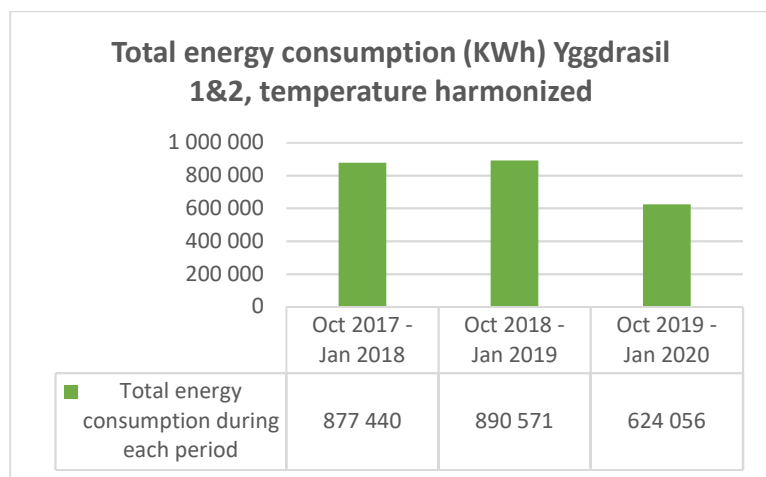
Stensiken 1,

Savings compared to Oct 2017- Jan 2018= 20 per cent or 233409 KWh *, **

Savings compared to Oct 2018- Jan 2019= 30 per cent or 407958 KWh **

*Refers to a period in which the property did not have an approved ventilation due to low flows and thus an abnormally low energy consumption. Non-comparable period.

** The property has been additionally insulated at the end of 2019/ beginning of 2020 and the effect is thus not visible until January 2020.



Yggdrasil 1&2

Savings compared to Oct 2017- Jan 2018= 29 per cent or 253384 KWh*

Savings compared to Oct 2018- Jan 2019= 30 per cent or 266514 KWh*

* The property has been additionally insulated at the end of 2019/ beginning of 2020 and the effect is only included in one of the four months (January 2020)

Based on the actual outcome from Stensiken 1 and Yggdrasil 1&2, it can be noted that, after the projects were implemented, the electricity consumption has increased to 17 per cent and 13 per cent respectively, of total energy consumption. This is due to the transition to heat pumps (powered by electricity). Based on this, it is assumed that, in relation to total energy consumption on a full-year basis, the electricity consumption is approximately 15 per cent on average. In the Green Bond framework building electricity was assumed to correspond to 10 percent of the district heating consumption. Based on the above, the table below identifies the properties Stensiken 1, Yggdrasil 1&2 and Valhall 5 where identical projects in equivalent properties have been implemented.

As set out below, we have saved 1696MWh of energy, which corresponds to a reduction of CO2 emissions by 146 tonnes / year (this is based on the actual CO2 emissions from the district heating companies and the European electricity mix, including Norway).

| Property name | Energy consumption (MWh) | | Energy consumption (kWh/Atemp) | | Energy reduction | CO2 emissions reduced/avoided based on Swedish average emission factor 25g/KWh | | CO2 emissions reduced/avoided based on Euroean baseand mix including Norway 380g/KWh | | Share of renewable energy from electricity | Share of renewable energy from districtheating |
|------------------------------|--------------------------|-----------------|--------------------------------|-----------------|------------------|--|--------------|--|----------------|--|--|
| | Pre renovation | Post renovation | Pre renovation | Post renovation | | Tonnes | Grams/Atemp | Tonnes | Grams/Atemp | | |
| Tellus 1 | 5 811 | | 128 | | | | | | | | |
| Härsta 9:3 | 4 249 | | 177 | | | | | | | | |
| Gångsta 1:2 | 1 910 | | 149 | | | | | | | | |
| Västland 26:39 | 2 736 | | 163 | | | | | | | | |
| Häggesta 4:21 | 108 | | 220 | | | | | | | | |
| Säversta 7:75 | 389 | | 196 | | | | | | | | |
| Häggesta 7:101+1:102 | 4 032 | | 174 | | | | | | | | |
| Ren 30:204-351 | 2 684 | | 154 | | | | | | | | |
| Ren 30:353+30:352 | 1 013 | | 159 | | | | | | | | |
| Annexet 2 | 219 | | 126 | | | | | | | | |
| Balder 2, 3 och 4 | 223 | | 196 | | | | | | | | |
| Gnistan 2 | 242 | | 117 | | | | | | | | |
| Korsnäs 2:26, 7:1, 8:1, 2:13 | 741 | | 151 | | | | | | | | |
| Lilla Näs 3:41 | 628 | | 183 | | | | | | | | |
| Lilla Näs 3:42-3:43 | 644 | | 165 | | | | | | | | |
| Fålnäs 4:4 och 4:8 | 369 | | 137 | | | | | | | | |
| Brunnsbacken 1 | 1 257 | | 162 | | | | | | | | |
| Siskan 3 och 4 | 1 875 | | 167 | | | | | | | | |
| Klövervallen 1 | 1 710 | | 135 | | | | | | | | |
| Ärtskidan 1 | 612 | | 143 | | | | | | | | |
| Veteaxet 1 | 124 | | 147 | | | | | | | | |
| Kvarnsveden 3:196 & 3:19 | 2 043 | | 179 | | | | | | | | |
| Yggdrasil 1&2 | 1 823 | 1 276 | 147 | 103 | 547 | 14,6 | 1 181 | 47,0 | 36 826 | 100% | 95% |
| Valhall 5 | 511 | 434 | 281 | 197 | 77 | 2,1 | 1 130 | 6,6 | 15 230 | 100% | 95% |
| Hermod 1-4 | 1 860 | 1 581 | 122 | 104 | 279 | 7,1 | 466 | 24,1 | 15 212 | 100% | 95% |
| Stensiken 1 | 2 642 | 1 849 | 120 | 84 | 793 | 25,9 | 1 177 | 68,1 | 36 842 | 100% | 95% |
| Leten 1,2 | 2 380 | | 132 | | | | | | | | |
| Total | 42 835 | 5 140 | 4 330 | 488 | 1 696 | 49,7 | 3 954 | 146 | 104 110 | | |

3. Outstanding amount of issued Green Bonds

ISIN SE0012256741 SEK 500m
 ISIN XS2021634675 SEK 500m
 ISIN XS2050862262 SEK 500m
 ISIN XS2111589219 SEK 500m

4. Balance on the Separate Account

| Property | Invested Amount (SEK) | Ongoing (SEK) | Remaining (SEK) |
|------------------------------|-----------------------|---------------|------------------|
| Yggdrasil 1&2 | 81 250 000 | | |
| Stensiken 1 | 133 250 000 | | |
| Tellus 1 | 304 850 000 | | |
| Hermod 1 | 24 635 000 | | |
| Hermod 2 | 28 925 000 | | |
| Hermod 3 | 19 240 000 | | |
| Hermod 4 | 25 805 000 | | |
| Valhall 5 | 21 255 000 | | |
| Veteaxet 1 | | 6 279 000 | |
| Klövervallen 1 | | 107 250 000 | |
| Ärtskidan 1 | | 38 090 000 | |
| Västland 26:39 | | 144 950 000 | |
| Härsta 9:3 | | | 7 345 000 (JV) |
| Gångsta 1:2 | | | 81 250 000 (JV) |
| Häggesta 4:21 | | | 2 275 000 (JV) |
| Säversta 7:75 | | | 7 540 000 (JV) |
| Häggesta 7:101+7:102 | | | 118 950 000 (JV) |
| Ren 30:204- 30:351 | | | 95 550 000 (JV) |
| Ren 30:353+352 | | | 46 540 000 (JV) |
| Annexet 2 | | | 13 130 000 (JV) |
| Balder 2, 3 och 4 | | | 21 710 000 (JV) |
| Gnistan 2 | | | 11 245 000 (JV) |
| Korsnäs 2:26, 7:1, 8:1, 2:13 | | | 31 733 000 |
| Lilla Näs 3:41-3:43 | | | 50 050 000 |
| Fålnäs 4:4 och 4:8 | | | 16 250 000 |
| Brunnsbacken 1 | | | 47 060 000 |
| Siskan 3&4 | | | 65 650 000 |
| Kvarnsveden 3:196 och 3:197 | | | 9 750 000 (JV) |
| Leten 1,2 | | | 246 090 000 |

External Consultant Confirmation

Review of energy saving measures for annual reporting 2020

In general

I have taken part in and reviewed the accounting of energy savings made in the projects Stensiken 1 and Yaggdrasil 1&2.

Stensiken 1

1. Savings towards 2017-2018=20% or 233409 kWh. Refers to a period when the property did not have an approved ventilation due to low flows and thus an abnormally low energy consumption. Not comparable period.

Comment: A well-functioning mechanical exhaust ventilation without heat recovery and with air flows 25-35 l/s, lgh, accounts for about 30-40 % v a building's heat loss in 60-, 70's residential buildings. Against this background, it is reasonable to calculate lower energy consumption before cleaning with very low airflows.

The additional insulation of the attics is estimated to reduce energy consumption by about 30,000kWh during the reported period.

2. Savings against 2018-2019=30%, or 407958 kWh, refer to saving with correct airflows and after energy saving measures.

Comment: The additional insulation of the winds is expected to reduce energy consumption by about 50,000kWh during the reported period. I support the accuracy of the calculation.

Yaggdrasil 1&2

1. Savings against 2017-2018= 29% or 253384 kWh

2. Savings towards 2018-2019=30% or 266514 kWh

Comment: The additional insulation of the attics reduces energy consumption just over 50,000kWh during the reported period.

I support the accuracy of the calculation.

Jukka Kauppinen

INEX Management AB 2020-03-10