

Comune di Modena

Agenda XXI - School

It started around year 2000, it wants to do especially “ an integrated formative program focused on timing and mental and physical places where the school and the city are working together”

2.Main objectives: promote projects and process act to increase the sustainable development educational in school, concerning Agenda XXI, or based on processes focused on problems and solutions participation and sharing.

3.School duties:

- To teach to school users a sustainable energy and environmental using
- To start up projects and actions to reach a sustainable using
- To spread out the Agenda XXI concept in school education

3. Municipality duties:

The Municipality gives to the school the right technical support to develop projects and ideas on sustainable actions

Energy Volunteer protocol

The first one started in 2001, based on the school year 2001 – 2002. It lasted 5 years, and recently it was approved a new one.

2. **Main objectives:** to do all action in order to obtain an energy saving and anyway a well used habitat
3. **School duties:** to develop an appropriate policy of education based on energy saving and all methods to reach this objective
4. **Municipality duty:** To give to the school an appropriate technical support to teach and apply an energy saving plan

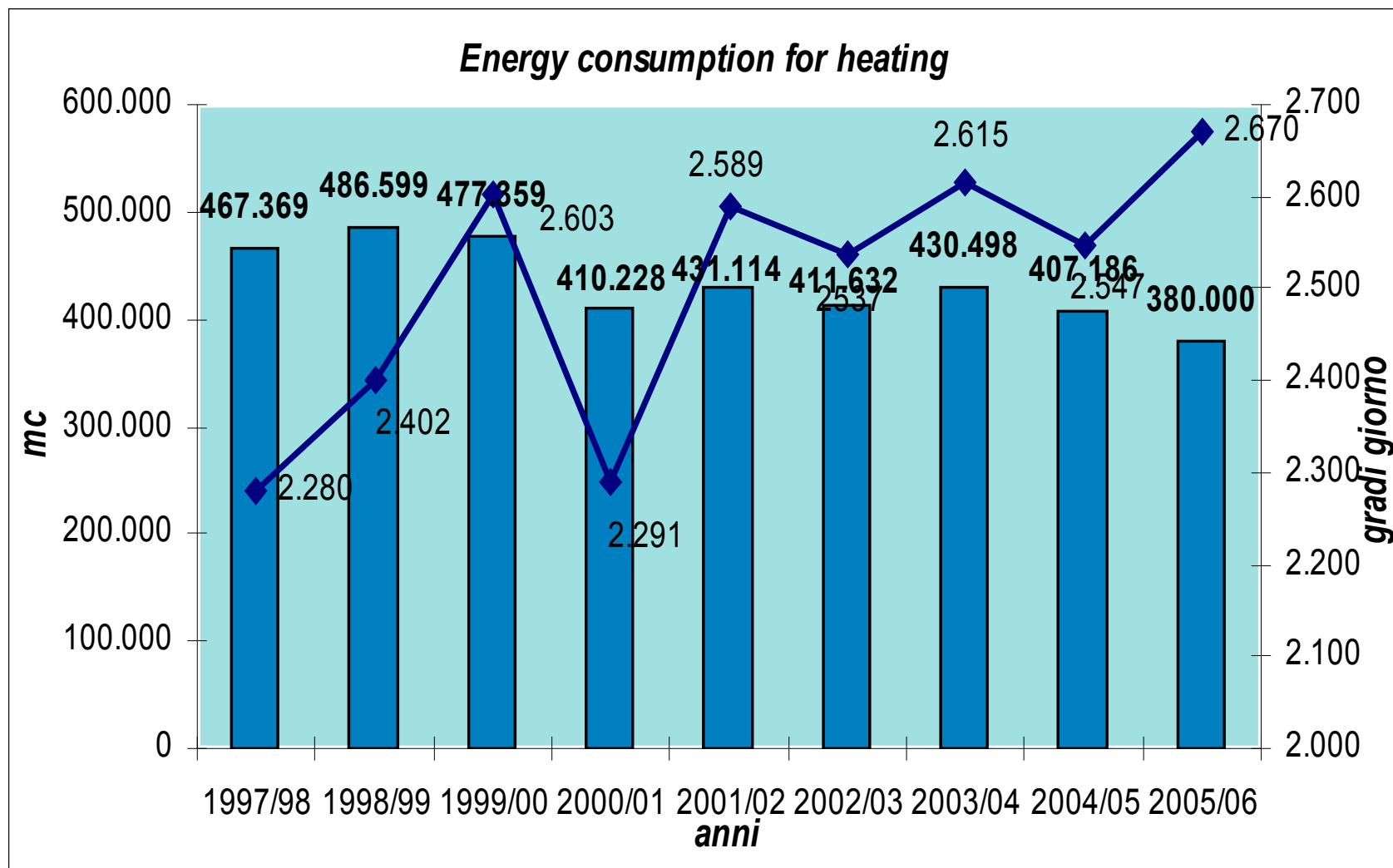
The agreement is based on sharing the energy economic saving. How?

50% to the school: to buy teaching materials and tools

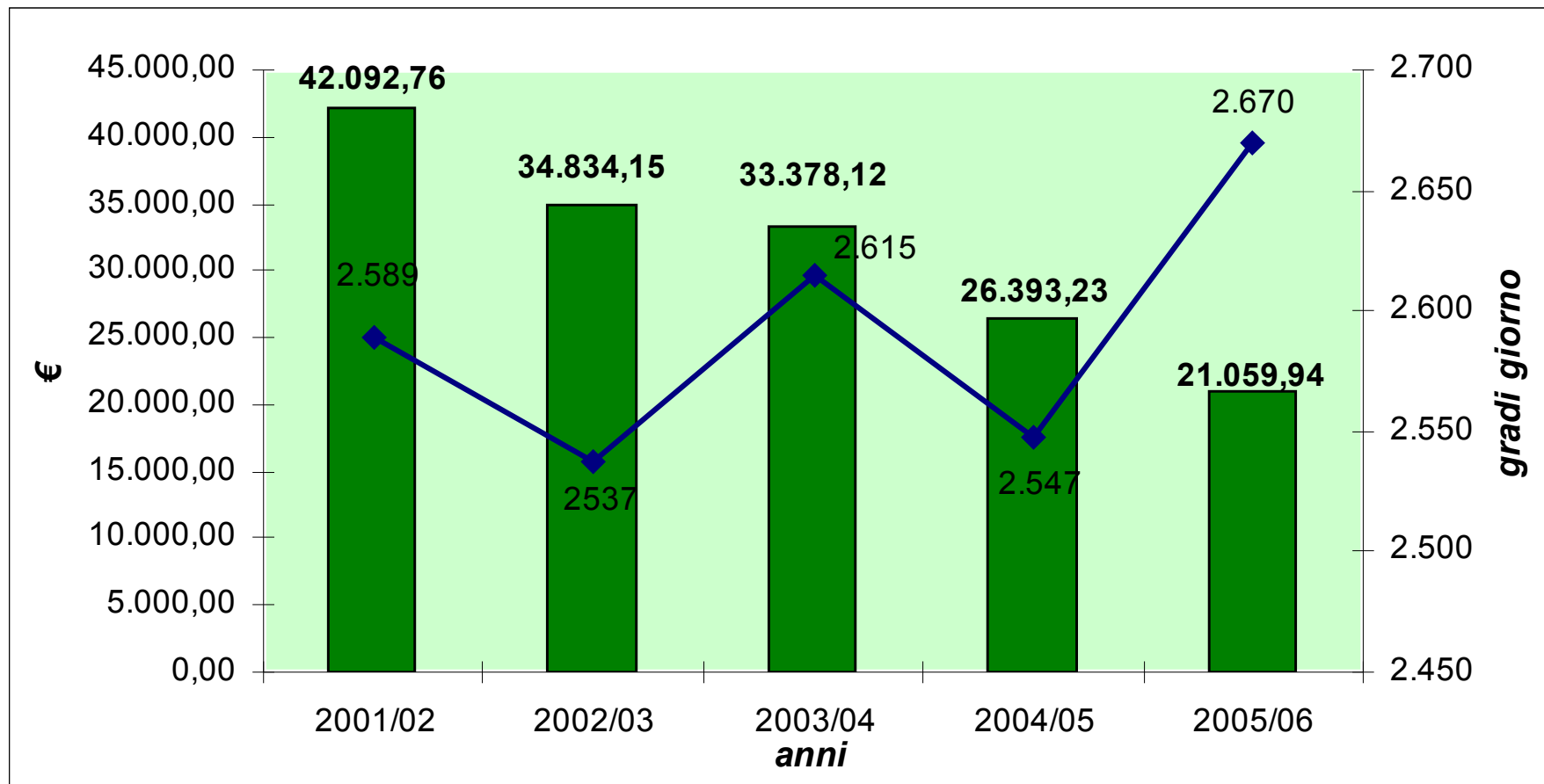
50% to the municipality: to use in energy saving projects

Schools buildings:

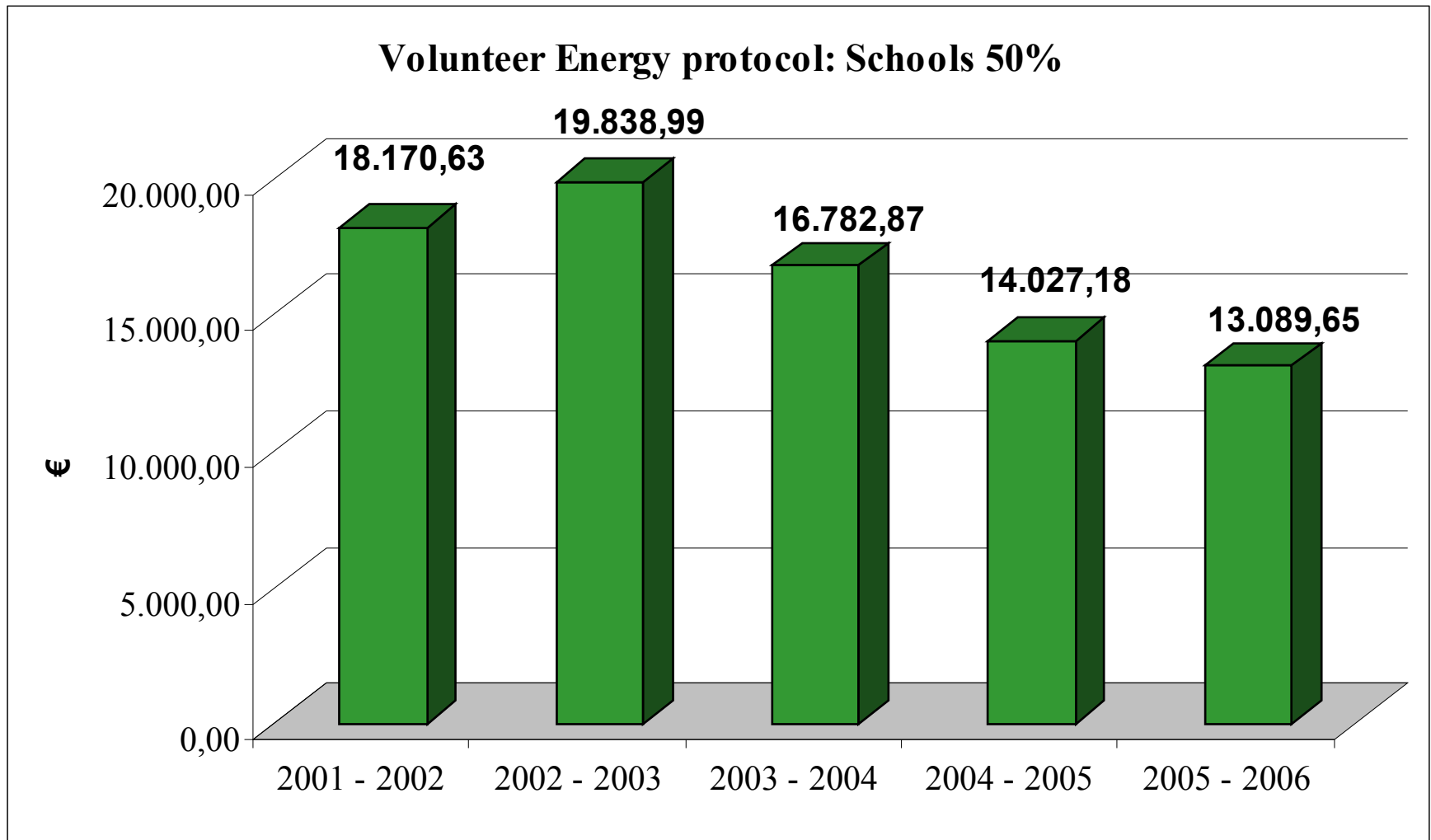
1. Progetto "più energia alle scuole, più energia alla città"



Saving obtained each school year



Schools saving from 2001 to 2006



Schools buildings:

Impianti Fotovoltaici

Solare Fotovoltaico realizzato

7 Impianti fotovoltaici (132 mq e 16,5 kWp tot.).

Scuola Carducci: 2 kWp

Scuola Palestrina: 2kWp

Scuola Saliceto Panaro Elementare: 2 kWp

Scuola Rodari Elementare: 2 kWp

Scuola Saliceto Panaro materna: 3 kWp

Scuola Baggiovara: 3 kWp

Scuola Don Milani: 2,5 kWp



- Attivazione di un **programma didattico - pedagogico** in collaborazione con alunni ed insegnanti che sfrutta la “visione” in tempo reale della produzione di energia elettrica dal sole

Costo complessivo	135.726,33
Finanziamento €	47.080,20
Costo CoMo IVA inclusa €	88.646,13
potenza in kWp (kW di picco)	16,50
energia prodotta kWh/anno	18.150,00
risparmio annuo in €	7.020,04
Tempo di ritorno (anni)	26,49
Emissioni evitate (kg CO2/anno)	9.637,65