# Focus on shared value, area by area

Suppliers

#### Bologna

#### **CREATING SHARED VALUE...**

#### **Pursuing carbon neutrality**

#### Regenerating resources and closing the circle

People

### **Enabling resilience and innovating**

#### Energy efficiency for households and businesses

## 32%

of customers use energy efficiency services. They are 188 thousand.

#### Recycling

#### 66%

separate waste collection, of which 87% was recycled\*.

3% of municipal waste in landfills

## Digitalisation

89%

of the gas meters are already

461 thousand meters, of which 25 thousand are NexMeter

#### Green energy

#### 37%

of customers use electricity from renewable sources and gas with CO2 emissions offsetting

#### Reuse

310 thousand euro of pharmaceuticals that have not yet expired and 172 tonnes of bulky waste collected and reused

#### **Employment**

2.691

employees in the Bologna area and 167 hires in 2022

#### **Energy production**

#### 26 energy production plants (273.0 MW of power) of which 12 from renewable sources (52.6 MW of power)

#### Wastewater purification

of urban areas with >2,000 PE became compliant, 83% of urban areas with 200-2,000 PE became compliant

#### Social inclusion

86 million euro value of bills paid in instalments; 50 thousand households are involved (+81% from 2021)

#### **CSV Investments**

#### A resilient water system for 13 municipalities

A new purification plant in Bubano (district of Mordano) with quadruple potential compared to the current one and a new pipeline that will connect the plant to the Castel Bolognese water network. These are the starting and upgrade the local water system, which will involve 13 municipalities in the Imola and Ravenna areas, thanks of what is produced). to an investment of 42 million euro, of which around 11 financed by Hera.

#### **CSV Case Study**

#### In Bologna, an initial example of collective self-consumption of electricity

Hera Comm followed the installation of the photovoltaic system on the roof of a building with 18 apartments and the management of all phases of the initiative. The electricity produced feeds common utilities and part of the points of a broader project to optimise energy needs of families, with greater independence from the grid (selfconsumption between 55% and 60%

#### **CSV Case Study**

#### 300 thousand bees monitor the quality of the environment

The "Capiamo" biomonitoring project, to study the behaviour of bees as effective indicators for assessing the quality of the environment, is active in the area surrounding the plant for the production of biomethane and compost in S. Agata Bolognese. Three hives are installed, each containing approx. 100,000 bees. The results show a state of environmental quality from which no criticalities emerge.

#### ... ALONGSIDE THE PROTAGONISTS OF CHANGE

#### Economic value distributed to the Bologna area

#### A high-quality service... at a lower price

371 million euro, of which:

172 million workers

37 million shareholders

15 million PA

147 million suppliers

1,140 jobs created (lead-on employment of suppliers)

Customer satisfaction index in the Bologna area\*: 72/100

Average yearly expense for the waste service for a household\*\* (Source: Cittadinanzattiva):

-16% compared to Italian average

(286 euro in Bologna, Italian average was 340)

Annual waste collection service expense for nonresidential users\*

-28% compared to Italian average

(10.20 euro/m<sup>2</sup> for Bologna, 14.23 euro/m<sup>2</sup> for Italy)

\*Does not include the Imola-Faenza area where the customer satisfaction index was 70/100

Excluding green waste, figures for 2021

<sup>3</sup> people in 100 m². Source: Cittadinanzattiva \*\*\* Hotel of 1.000 m², restaurant of 180 m², supermarket of 200 m² and industry of 3.000 m<sup>2</sup>. Source: Data from municipality websites processed by Hera

Regenerating resources and closing the circle People

Suppliers

#### **Ferrara**

#### **CREATING SHARED VALUE...**

#### **Pursuing carbon neutrality**

#### Regenerating resources and closing the circle

#### **Enabling resilience and innovating**

#### Energy efficiency for households and businesses

## 30%

of customers use energy efficiency services. They are 48 thousand

#### Recycling

#### 87%

separate waste collection (second administrative centre in Italy), of which 80% was recycled\* 0% of municipal waste in landfills

#### Digitalisation

80%

of the gas meters installed are

110 thousand meters, of which 53 thousand are NexMeter

#### Green energy

### 39%

customers with electricity from renewable sources and gas with CO2 emissions offsetting

#### Reuse

31 thousand euro pharmaceuticals that have not yet expired and 24 tonnes of bulky waste collected and reused

#### **Employment**

Social inclusion

employees in the Ferrara area and 17 hires in 2022

#### **Energy production**

#### 4 energy production plants (55.2 MW of power) of which 3 from renewable sources (33.9 MW of power)

#### Wastewater purification

## of urban areas with >2,000 PE became compliant 81% of urban areas with 200-2,000 PE became

#### compliant

#### 24 million euro

value of bills paid in instalments; 21 thousand households are involved (+81% from 2021)

#### **CSV Investments**

## Pontelagoscuro: water even during the peak of drought

the Pontelagoscuro purification plant on the Po. It was exactly from here that, in the summer of 2022, Hera continued to guarantee service continuity. For this reason, three floating pumps were launched which would have made it possible to continue drawing water even if the level of the Po had dropped below -7.60 metres.

#### **CSV Case Study**

#### Air Break: a contribution to air quality

85% of the Ferrara aqueduct is fed by With the European Air Break project, carried out together with the Municipality of Ferrara and other partners, Hera has equipped the trucks dedicated to waste collection with a device which nebulizes onto the asphalt a special natural and harmless enzymatic treatment, capable of capturing and binding atmospheric particulate matter to the ground. This improves air quality and makes street cleaning more effective.

#### **CSV Case Study**

#### A new, environmentally friendly light enhances Castello Estense

By night, the Castle of Ferrara shines with a new light, thanks to Hera Luce which has equipped the city's symbolic monument and Unesco heritage with a new system of projectors and LED light points, designed to enhance the most important architectural elements of the structure. The system also allows to apply suggestive scenarios to the castle with an interplay of light and

#### ... ALONGSIDE THE PROTAGONISTS OF CHANGE

#### Economic value distributed to the Ferrara area

87 million euro, of which:

29 million workers

4 million shareholders

9 million PA

45 million suppliers

350 jobs created (lead-on employment of suppliers)

#### A high-quality service... at a lower price

Customer satisfaction index in the Ferrara area: 71/100

Average yearly expense for the waste service for a household (Source: Cittadinanzattiva)

-14% compared to Italian average

292 euro in Ferrara\*\* the Italian average was 340 euro\*

Annual waste collection service expense for nonresidential users\*\*

-22% compared to Italian average

11.16 euro/m<sup>2</sup> for Ferrara\*\*\*\* 14.23 euro/m<sup>2</sup> for Italy

Excluding green waste, figures for 2021

<sup>\* 3</sup> people in 100 m<sup>2</sup>. Source: Cittadinanzattiva Considering 52 disposals of 30 litres each of mixed waste Hotel of 1,000 m<sup>2</sup>, restaurant of 180 m<sup>2</sup>, supermarket of 200 m<sup>2</sup> and industry of 3,000 m<sup>2</sup>. Source: Data from municipality websites processed by Hera

<sup>\*</sup>Considered as annual disposals of mixed waste amounting to 1,200 litres per hotel, 3,120 litres per restaurant, 9,360 litres for supermarkets and industrial activities

Suppliers

#### Forlì-Cesena

## **CREATING SHARED VALUE...**

#### **Pursuing carbon neutrality**

#### Regenerating resources and closing the circle

#### **Enabling resilience and innovating**

#### Energy efficiency for households and businesses

31%

of customers use energy efficiency services. They are 63 thousand

#### Recycling

73%

separate waste collection, of which 84% was recycled\*

0% of municipal waste in landfills

#### Digitalisation

93%

of the gas meters are already

154 thousand meters

#### Green energy

39%

customers with electricity from renewable sources and gas with CO2 emissions offsetting

#### Reuse

30 thousand euro pharmaceuticals that have not yet expired and 99 tonnes of bulky waste collected and reused

#### **Employment**

597

employees in the Forlì-Cesena area and 26 hires in 2022

#### **Energy production**

18 energy production plants (67,7 MW of power) of which 7 from renewable sources (20.3 MW of power)

### Wastewater purification

of urban areas with >2 000 PF became compliant 86% of urban areas with 200-2,000 PE became compliant

#### Social inclusion

29 million euro value of bills paid in instalments; 25 thousand households are involved (+29% from 2021)

## **CSV Investments**

#### New LED lights in Gambettola, Montiano and Tredozio in the name of sustainability

The interventions by Hera Luce in Gambettola and Montiano for the energy upgrading of public lighting have been completed: with the new LED street lamps, an average energy saving of 60% has been achieved, and the materials and technologies used are 98% recyclable. An agreement was also signed with the Municipality of Tredozio, to reduce consumption by over 62% and avoid the annual emission of around 206 tons of CO2.

#### **CSV Case Study**

#### From the purifier to the fields: a circular use of water in Cesena

An experimental agricultural space with 120 plants was set up at the Cesena purifier where, thanks to a smart prototype for controlling the quality of the purified water, saving was recorded, for example in the case of peach trees, for 32% of nitrogen and 8% of phosphorus. The initiative is part of the Value Ce-In research project, carried out by Hera in collaboration with Enea and the University of Bologna.

#### **CSV Case Study**

#### Door-to-door extended to the sea and in four hillside municipalities

The door-to-door extension process has continued, specifically involving, in 2022, the hillside municipalities: Bagno di Romagna and Verghereto in the Cesena area, Premilcuore and Santa Sofia in the Forlì area. In these, the reorganization has also included the use of intelligent containers (Eco Smarty) in the areas that are most difficult to access. On the coast, the home care system has been extended to the entire municipal area of Cesenatico.

#### ... ALONGSIDE THE PROTAGONISTS OF CHANGE

#### Economic value distributed to the Forlì-Cesena area

## A high-quality service... at a lower price

118 million euro, of which: 38 million workers 9 million shareholders 14 million PA 57 million suppliers

440 jobs created (lead-on employment of suppliers)

Customer satisfaction index in the Forlì-Cesena area: 71/100

Average yearly expense for the waste service for a household\* (Source: Cittadinanzattiva) -29% compared to Italian average 243 euro in Cesena, the Italian average was 340

Waste collection service expense for non-residential users\*\*

-57% compared to Italian average

6.07 euro/m<sup>2</sup> for Cesena 14.23 euro/m<sup>2</sup> for Italy

Excluding green waste, figures for 2021

<sup>\*3</sup> people in 100 m². Source: Cittadinanzattiva

\*Hotel of 1,000 m², restaurant of 180 m², supermarket of 200 m² and industry of 3,000 m². Source: Data from municipality websites processed by Hera

the circle People

Suppliers

#### Modena

#### **CREATING SHARED VALUE...**

#### **Pursuing carbon neutrality**

#### Regenerating resources and closing the circle

#### **Enabling resilience and innovating**

#### Energy efficiency for households and businesses

## 32%

of customers use energy efficiency services. They are 118 thousand

#### Recycling

#### 65%

separate waste collection, of which 83% was recycled\*

## 0% of municipal waste in landfills

### Digitalisation

86%

202 thousand gas meters are already electronic, of which 46 thousand are NexMeter

#### Green energy

## 37%

customers with electricity from renewable sources and gas with CO2 emissions offsetting

#### Reuse

compliant

136 thousand euro pharmaceuticals that have not yet expired and 132 tonnes of bulky waste collected and reused

#### **Employment**

907

employees in the Modena area and 80 hires in 2022

#### **Energy production**

#### 8 energy production plants (33,1 MW of power) of which 4 from renewable sources (11.6 MW of power)

#### Wastewater purification

of urban areas with >2,000 PE became compliant 57% of urban areas with 200-2.000 PE became

## Social inclusion

40 million euro value of bills paid in instalments; 30 thousand households are involved (+38% from 2021)

#### **CSV Investments**

#### Hera: two million euro for the new set up of the Vignola aqueduct

Hera has carried out important works in Vignola to upgrade the city's aqueduct network, improving the network's ability to operate even in the event of water shortages. In fact, the municipality of Vignola was autonomous in terms of water supply sources only by 47%. Thanks to the two million euro of investments made by the Group, it was possible to connect the city aqueduct with the water network of an adjacent municipality.

#### **CSV** Investments

### Modena and its province: the Raccolta Smeraldo begins

In Modena and in other municipalities in the province, the first steps have been taken to bring, by the end of 2023, the entire Modena area managed by Hera to have a new waste collection model, which will allow the traceability of waste deliveries, with the goal of minimizing unsorted waste, increasing the quantities sent for recycling, and raising the percentage of sorted waste

#### **CSV Case Study**

#### Hydrogen for civil use: Hera Group launches the first national trial in Castelfranco Emilia

About thirty homes in the Emilian city will use a mixture of hydrogen and natural gas in the gas distribution network. Furthermore, for the first time the experimentation involves all operators in the gas chain, from distribution companies to manufacturers of technological equipment, up to manufacturers of heating and cooking appliances and internationally recognized bodies that have supervised every security aspect of the initiative.

#### ... ALONGSIDE THE PROTAGONISTS OF CHANGE

#### Economic value distributed to the Modena area

## A high-quality service... at a lower price

146 million euro, of which: 58 million workers 17 million shareholders 8 million PA 63 million suppliers

492 jobs created (lead-on employment of suppliers)

Customer satisfaction index in the Modena area: 71/100

Average yearly expense for the waste service for a household\* (Source: Cittadinanzattiva) -14% compared to Italian average 293 euro in Modena, the Italian average was 340

Waste collection service expense for non-residential users\*\*

-32% compared to Italian average

9.72 euro/m<sup>2</sup> for Modena 14.23 euro/m<sup>2</sup> for Italy

<sup>\*</sup> Excluding green waste, figures for 2020

<sup>3</sup> people in 100 m<sup>2</sup>. Source: Cittadinanzattiva

<sup>&</sup>quot;Hotel of 1,000 m<sup>2</sup>, restaurant of 180 m<sup>2</sup>, supermarket of 200 m<sup>2</sup> and industry of 3,000 m<sup>2</sup>. Source: Data from municipality websites processed by Hera

Regenerating resources and closing the circle People

Suppliers

#### **Padua**

#### **CREATING SHARED VALUE...**

#### **Pursuing carbon neutrality**

#### Regenerating resources and closing the circle

#### **Enabling resilience and innovating**

#### Energy efficiency for households and businesses

#### 14% of customers use energy efficiency

services. They are 20 mila

## Recycling

65% separate waste collection, of which

92% was recycled\* 0% of municipal waste in landfills

#### Digitalisation

29%

customers with electronic billing

#### Green energy

customers with electricity from renewable sources and gas with CO2 emissions offsetting

#### Reuse

editions of the "Ecological Saturdays" to fight dumping bulky waste and promote the culture of reuse (47 tonnes of bulky waste collected)

#### **Employment**

employees in the Padua area and 35 hires in 2022

### **Energy production**

#### 4 energy production plants (17.5 MW of power) of which 1 from renewable sources (7.1 MW of power)

### Wastewater purification

of urban areas >2,000 PE became compliant

#### Social inclusion

10 million euro value of bills paid in instalments; 8 thousand households are involved (+152% from 2021)

#### **CSV Investments**

## First 100% electric street sweeper

AcegasApsAmga has introduced the first fully electric street sweeper in its fleet. The vehicle is equipped with two 75 kWh batteries and has an autonomy of 8-10 hours. This investment, equal to approximately 250 thousand euro, represents one of the initiatives that contribute to the achievement of the goals of Padova Net Zero.

### **CSV Case Study**

#### Recovery and reuse of excavated earth

In 2022, a circular economy project was launched thanks to which the land resulting from the adaptation works of the Ca' Nordio purification plant have been reused for the greater safety of the nearby former Roncajette landfill. The plan has avoided over 3,800 journeys of 50 km by road for disposal and transfers, allowing for an overall saving of 243 tons of CO2.

### **CSV Case Study**

#### Circularity in the disposal of meters

The meters of the various network services decommissioned by AcegasApsAmga are receiving new life thanks to their transfer to specialized plants, where over approximately 85% of electronic waste and metals are recovered. In 2022, 129 tonnes of meters were therefore sent for recovery which will become secondary raw materials.

### ... ALONGSIDE THE PROTAGONISTS OF CHANGE

#### Economic value distributed to the Padua area

#### A high-quality service... at a lower price

123 million euro, of which: 37 million workers 6 million shareholders 2 million PA 78 million suppliers 605 jobs created (lead-on employment of suppliers) Customer satisfaction index in the Padua area: 73/100

Average yearly expense for the waste service for a household\* (Source: Cittadinanzattiva) -31% compared to Italian average 236 euro in Padua, the Italian average was 340

Waste collection service expense for non-residential users\*

-22% compared to Italian average

11.16 euro/m<sup>2</sup> for Padua 14.23 euro/m<sup>2</sup> for Italy

<sup>\*</sup> Excluding green waste, figures for 2021

<sup>\*3</sup> people in 100 m². Source: Cittadinanzattiva

\*\* Hotel of 1,000 m², restaurant of 180 m², supermarket of 200 m² and industry of 3,000 m². Source: Data from municipality websites processed by Hera

Suppliers

#### Pesaro-Urbino

#### **CREATING SHARED VALUE...**

#### Regenerating resources and **Pursuing carbon neutrality** closing the circle

### **Enabling resilience and innovating**

#### Energy efficiency for households and businesses

22%

of customers use energy efficiency services. They are 27 thousand

## Recycling

73%

separate waste collection, of which 83% was recycled\*

22% of municipal waste in landfills

#### Digitalisation

84%

of the gas meters installed are electronic

79 thousand meters

#### Green energy

37%

customers with electricity from renewable sources and gas with CO2 emissions offsetting

#### Reuse

125 tonnes

of bulky waste collected

and re-used

#### **Employment**

612

workers in the Pesaro-Urbino area and 36 new hires in 2022

#### **Energy production**

1 energy production plant (2.1 MW of power)

#### Wastewater purification

of urban areas >2,000 PE became compliant (100% by 2025)

#### Social inclusion

18 million euro value of bills paid in instalments; 13 thousand households are involved (+36% from 2021)

#### **CSV Investments**

## A new purifier in Montecchio

Works on the new purifier in Montecchio di Vallefoglia have been completed, providing for a maximum treatment capacity of up to 30,000 population equivalent. This was a strategic intervention for the resolution of the non-conformities found by the European Community in the infringement procedure

## **CSV** Investments

The carbon footprint of purification

In 2022 Marche Multiservizi has calculated the carbon footprint of the purification service to understand this service's impact on the decarbonisation process.

#### **CSV Case Study**

#### A new company to develop the circular economy

Marche Multiservizi has acquired 70% of Macero Maceratese, a historic local company operating since 1969 in the waste management sector. This operation strengthens their presence in the waste management sector, with particular reference to the management and treatment of industrial waste.

#### ... ALONGSIDE THE PROTAGONISTS OF CHANGE

# **Economic value distributed to the Pesaro-Urbino**

## A high-quality service... at a lower price

73 million euro, of which: 39 million workers 9 million shareholders

7 million PA

18 million suppliers 138 jobs created (lead-on employment of suppliers) Customer satisfaction index in the Pesaro-Urbino area: 73/100

Average yearly expense for the waste service for a household\* (Source: Cittadinanzattiva)

-19% compared to Italian average

275 euro in Pesaro, the Italian average was 340

Waste collection service expense for non-residential users\*\*

-40% compared to Italian average

8.56 euro/m<sup>2</sup> for Pesaro 14.23 euro/m<sup>2</sup> for Italy

<sup>\*</sup> Excluding green waste, figures for 2021

<sup>\*3</sup> people in 100 m². Source: Cittadinanzattiva

\*Hotel of 1,000 m², restaurant of 180 m², supermarket of 200 m² and industry of 3,000 m². Source: Data from municipality websites processed by Hera

#### Ravenna

#### **CREATING SHARED VALUE...**

#### **Pursuing carbon neutrality**

#### Regenerating resources and closing the circle

#### **Enabling resilience and innovating**

#### Energy efficiency for households and businesses

## 32%

## of customers use energy efficiency services. They are 79 thousand

## Recycling

#### 71% separate waste collection, of which 88% was recycled\*

## 0% of municipal waste in landfills

#### Digitalisation

94%

of the gas meters installed are electronic

#### Green energy

#### 41% customers with electricity from renewable sources and gas with CO2 emissions offsetting

#### Reuse

197 thousand euro pharmaceuticals that have not yet expired and 135 tonnes of bulky waste collected and reused

#### **Employment**

648

employees in the Ravenna area and 31 hires in 2022

#### **Energy production**

14 energy production plants (23.0 MW of power) of which 9 from renewable sources (11.2 MW of power)

#### Wastewater purification

100% of urban areas with >2,000 PE became compliant 89% of urban areas with 200-2.000 PE became compliant

#### Social inclusion

36 million euro value of bills paid in instalments; 28 thousand households are involved (+70% from 2021)

#### **CSV Investments**

### The sewage system at the Darsena has been renewed

Works on the new sewage system of the Ravenna dock have been completed, aimed at increasing hydraulic safety and environmental improvement. This was a long and complex construction site, starting in February 2020, in which controlled horizontal drilling technology was used, an underground installation method without excavation in which Hera has great experience.

#### **CSV Case Study**

#### Green Book and Piccoli Robot Rinascono: HeraLAB's green projects in Ravenna

Two projects have originated as part of the HeraLAB laboratory of ideas: the Green Book, a handbook for restaurateurs which contains advice on how to properly separate waste collection and manage waste optimally, for better use of resources; Piccoli Robot Rinascono (Little Robots are Reborn), in collaboration with the Angelo Pescarini School of Arts and Crafts, to recover still functioning household appliances and allocate them to voluntary organisations.

#### **CSV Case Study**

### New laboratory centre in Ravenna

In a new 2,800 square metre hub in via Romea Nord, specialising in the analysis of solid waste, sludge, organic micro-pollutants, and emissions into the atmosphere, the analysis centres of Forlì and Ravenna have joined together, creating a leading laboratory pole in the utilities sector and first operator for drinking water and wastewater. This is Hera's second hub in Emilia-Romagna together with the one of Sasso Marconi (BO).

#### ... ALONGSIDE THE PROTAGONISTS OF CHANGE

#### Economic value distributed to the Ravenna area

151 million euro, of which: 39 million workers 10 million shareholders

8 million PA

94 million suppliers

726 jobs created (lead-on employment of suppliers)

#### A high-quality service... at a lower price

customer satisfaction index in the Ravenna area\*\*: 72/100

Average yearly expense for the waste service for a household\* (Source: Cittadinanzattiva) -24% compared to Italian average

259 euro in Ravenna, the Italian average was 340

8.91 euro/m<sup>2</sup> for Ravenna 14.23 euro/m<sup>2</sup> for Italy

Annual waste collection service expense for nonresidential users\*\*\* -37% compared to Italian average

<sup>\*</sup> Excluding green waste, figures for 2021

<sup>\* 3</sup> people in 100 m<sup>2</sup>. Source: Cittadinanzattiva

<sup>\*\*</sup>Does not include the Imola-Faenza area where the customer satisfaction index was 70/100

Hotel of 1,000 m<sup>2</sup>, restaurant of 180 m<sup>2</sup>, supermarket of 200 m<sup>2</sup> and industry of 3,000 m<sup>2</sup>. Source: Data from municipality websites processed by Hera

Suppliers

#### Rimini

#### **CREATING SHARED VALUE...**

#### **Pursuing carbon neutrality**

#### Regenerating resources and closing the circle

#### **Enabling resilience and innovating**

#### Energy efficiency for households and businesses

#### 21% of customers use energy efficiency services. They are 5 thousand

#### Recycling

69% separate waste collection, of which 84% was recycled\*

0% of municipal waste in landfills

#### Digitalisation

34%

customers with electronic billing

#### Green energy

39% customers with electricity from renewable sources and gas with CO2 emissions offsetting

#### Reuse

26 thousand euro pharmaceuticals that have not yet expired and 25 tonnes of bulky waste collected and reused

#### **Employment**

504

employees in the Rimini area and 18 hires in 2022

#### **Energy production**

4 energy production plants (12.1 MW of power) of which 4 from renewable sources (6.8 MW of power)

#### Wastewater purification

of urban areas with >2,000 PE became compliant 100% of urban areas with 200-2.000 PE became compliant

#### Social inclusion

5 million euro value of bills paid in instalments; 4 thousand households are involved

#### **CSV Investments**

#### A new rainwater tank for the protection of the sea in Cattolica

Work has begun in Cattolica for the construction of a five thousand cubic meter storm surge tank, an intervention that is integrated into the wider seafront redevelopment project. The work involves an investment of over 10 million euro and aims to protect the sea, intervening on the sewage system to reduce the critical issues related to bathing safety of the coast, and of the city, in the event of intense weather events.

#### **CSV Case Study**

#### The first reuse area has opened in Rimini

The first reuse area in the province has opened in Rimini, at the ecological station of via Nataloni. Inside, residents can bring intact and still usable goods, creating a virtuous circle of waste. The initiative sees the involvement of the social cooperative La Fraternità, which has been collaborating with Hera for years as part of the Cambia il finale project, of which this area is a spin-off, periodically collecting the goods donated by residents to subsequently use them for social purposes.

#### **CSV Case Study**

#### Hera customer desk launched in Coriano

The new customer desk in Coriano has been operational since March 2022, dedicated to families and companies, with a reference catchment area of approx. 25,000 inhabitants The customer desk, previously housed in municipal spaces, can now count on extended opening hours and greater space, and is equipped with new soundabsorbing technologies to protect customer privacy.

#### ... ALONGSIDE THE PROTAGONISTS OF CHANGE

#### Economic value distributed to the Rimini area

#### A high-quality service... at a lower price

104 million euro, of which:

32 million workers

7 million shareholders

14 million PA

51 million suppliers

401 jobs created (lead-on employment of suppliers)

Customer satisfaction index in the Rimini area:

70/100

Average yearly expense for the waste service for a household\* (Source: Cittadinanzattiva)

-13% compared to Italian average

296 euro in Rimini, Italian average was 340

Waste collection service expense for non-residential users\*\*

-2% compared to Italian average

13.98 euro/m<sup>2</sup> for Rimini 14.23 euro/m<sup>2</sup> for Italy

<sup>\*</sup> Excluding green waste, figures for 2021

<sup>3</sup> people in 100 m<sup>2</sup>. Source: Cittadinanzattiva

Hotel of 1,000 m<sup>2</sup>, restaurant of 180 m<sup>2</sup>, supermarket of 200 m<sup>2</sup> and industry of 3,000 m<sup>2</sup>. Source: Data from municipality websites processed by Hera

Suppliers

#### Trieste, Udine, Gorizia

#### **CREATING SHARED VALUE...**

#### **Pursuing carbon neutrality**

#### Regenerating resources and closing the circle

#### **Enabling resilience and innovating**

#### Energy efficiency for households and businesses

23%

of customers use energy efficiency services. They are 68 thousand

#### Recycling

45%

separate waste collection, of which 91% was recycled\*

0% of municipal waste in landfills

#### Digitalisation

79%

of the gas meters installed are

electronic

253 thousand meters, of which 56

thousand are NexMeter

#### Green energy

37%

customers with electricity from renewable sources and gas with CO2 emissions offsetting

#### Reuse

editions of the "Ecological Saturdays" to fight dumping bulky waste and promote the culture of reuse (94 tonnes of bulky waste collected)

#### **Employment**

1.212 workers in the area and 50 hires in 2022

#### **Energy production**

6 energy production plants (18.2 MW of power) of which 2 from renewable sources (7.2 MW of power)

#### Wastewater purification

100%

of urban areas >2,000 PE became compliant 97% of urban areas with 200-2,000

PE became compliant

#### Social inclusion

12 million euro

value of bills paid in instalments; 13 thousand households are involved (+81% from 2021)

## **CSV Investments**

#### First energetically self-sufficient gas cabin

The construction of the first "green" gas substation in Villesse (GO) has been completed, energetically selfsufficient with the installation of heat pumps and thermal-photovoltaic panels. The investment will lead to annual savings of around 850 kWh, equivalent to 1.7 tons of CO2, and will be replicated in other plants.

## **CSV Case Study**

#### A single point in the region for sludge processing

Thanks to the collaboration between all the Friuli-Venezia Giulia water cycle managers, the project for a lowtemperature dryer with the use of renewable sources was drawn up (and financed by National Recovery and Resilience Plan funds), to which all the sludge produced in the region will be directed. The plant reduces waste and allows for a 40% increase in the production of dry residue that can be used in agriculture.

#### **CSV Case Study**

#### The first flows of biomethane in the regional gas network

The first biomethane plant deriving from livestock effluents, agricultural matrices, and biomass has been connected to the Codroipo-Sedegliano gas distribution network. With the maximum capacity of almost 500 scm/hour, about a third of the families in the area receive gas from renewable energy sources.

#### ... ALONGSIDE THE PROTAGONISTS OF CHANGE

#### Economic value distributed to the Friuli-Venezia Giulia area

235 million euro, of which:

78 million workers

13 million shareholders

10 million PA

134 million suppliers

1,044 jobs created (lead-on employment of suppliers)

#### A high-quality service... at a lower price

Customer satisfaction index in the Trieste area:

72/100

Customer satisfaction index in the Udine area:

72/100

Average yearly expense for the waste service for a

household\* (Source: Cittadinanzattiva)

-6% compared to Italian average 321 euro in Trieste, the Italian average was 340

Waste collection service expense for non-residential

users\*\*

-2% compared to Italian average

13.91 euro/m<sup>2</sup> for Trieste 14.23 euro/m<sup>2</sup> for Italy

<sup>\*</sup> Excluding green waste, figures for 2021

<sup>\* 3</sup> people in 100 m<sup>2</sup>. Source: Cittadinanzattiva

Hotel of 1,000 m<sup>2</sup>, restaurant of 180 m<sup>2</sup>, supermarket of 200 m<sup>2</sup> and industry of 3,000 m<sup>2</sup>. Source: Data from municipality websites processed by Hera