| Objective of the project     controlling the balance of electricity supplied and consumed in electricity distribution is a significant source of greenhouse gas emissions. Electricity losses accur in transformers, power lines, in the electricity meters themselves, in neutral wires with unbalance in phases, will unauthorized connections, with poor contacts in the distribution network and fault equipment of the consumer.       Description     The loss of electricity meters themselves, in neutral wires with unbalance in phases, will unauthorized connections, with poor contacts in the distribution network and fault equipment of the consumer.       Description     The project will detect, measure, localize and eliminate losses based on monitorin the balance of daily and hourly consumption in medium and low voltage networks. The loss due to the electricity metering unit is determined by analyzing the hourl in Red Union Fencea should 807 thoused subscripts. Total electricity losses in the distribution network and fault in Red Union Fencea should 807 thoused subscripts. Total electricity losses in encoder by 80%, which is a decrease in losses for 807.00 consumers by 260 million kWh. In the CO2 equivalent, it will be 130 000 tons per year.       The program for the implementation of the "BALANCE" case of apricipation in the program of CO2 emission reduction, the saving from loss effort the program of CO2 emission reduction, the necessary to install 13450 radio modules D100FC per month e equip the distribution etworks with balance counters, which will cast \$1.4 million per month. Below 19.       The program for the implementation of the BALANCE" case of participation in the grant and will not require any additional costs from Rev with system of the scale of the regrans of the ingrant of mothe equip the distribution etworks with balance counter                 | Reducing electricity losses in Moldova's distribution networks by reducing technical losses, theft and identifying faulty metering units |          |  |      |        |   |  |        |        |      |      |            |        |   |      |      |      |      |  |  |
|---|--|----------|--|------|--------|---|--|--------|--------|------|------|------------|--------|---|------|------|------|------|--|--|
| Objective of the project     controlling the balance of electricity supplied and consumed in electricity distribution is a significant source of greenhouse gas emissions. Electricity losses occur in transformers, power lines, in the electricity meters themselves, in neutral wires with unbalance in phases, will unauthorized connections, with poor contacts in the distribution network and fault equipment of the consumer.       Description     The loss of electricity meters themselves, in neutral wires with unbalance in phases, will unauthorized connections, with poor contacts in the distribution network and fault equipment of the consumer.       Description     The project will detect, measure, localize and eliminate losses based on monitorin the balance of daily and hourly consumption in medium and low voltage networks. The loss due to the electricity metering unit is determined by analyzing the hourl in Red Union Fences about 80 27 Moust State States.       Description     2009 amounted to 326 million KWh. When implementing the BALANCE system in addition, at an energy cost for the population of 122 dollars per 1000 kWh, thi ns aviragi from loss reduced by 80%, which is a decrease in losses for 807.00 consumers by 280 million KWh. States and electricity electrici | Description of the project, type and schedule of implementation of the "BALANCE" system  |          |  |      |        |   |  |        |        |      |      |            |        |   |      |      |      |      |  |  |
| of greenhouse gas emissions. Electricity losses occur in transformers, power lines, it the electricity meters thermselves, in neutral wires with unbalance in phases, with unauthorized connections, with poor contacts in the distribution network and fault equipment of the consumer.     The project will detect, measure, localize and eliminate losses bases do an omnitorin the balance of daily and hourly consumption.   In addition, and low voltage networks. The loss due to the electricity metering unit is determined by analyzing the hourly profiles of electricity consumption.     Description   In Red Union Fenosa about 807 thousand subscribers. Total electricity losses in the distribution network and fault profiles of electricity consumption.     In addition, at an energy cost for the population of 122 dollars per 1000 kWh, the savings from loss reduction will be \$31,720,000 per year or \$33,31 per subscribe per year.     In addition, at an energy cost for the population of 122 dollars per 1000 kWh, the asvings from loss reduction will be \$31,720,000 per year or \$33,31 per subscribe per year.     The program for the implementation of the BALANCE system the statistication of the "BALANCE" can be parformed exclusively at the expense of the grant and will not require any additional costs from Reduction, the asystem to the solution will be about 30 dollar dollar dollar forms from the suppress of the implementation of the BALANCE system on the scale of the Republic of Moldova.     Wonth   2   4   6   10   12   14   14   14   14   14   14   14   14   14   14   14   14  | Objective o  |          | Installation and wide use of innovative remote metering systems and equipment for controlling the balance of electricity supplied and consumed in electricity distribution networks, allows to significantly reducing energy losses and methane emissions into |      |        |   |  |        |        |      |      |            |        |   |      |      |      |      |  |  |
| The program for the implementation of the "BALANCE" system   necessary to install 13450 radio modules D100FC per month + equip the distribution networks with balance counters, which will cost \$ 1.4 million per month. Below is table of monthly costs for the implementation of the BALANCE system on the scale of the Republic of Moldova.     Month   2   4   6   8   10   12   14   16   18   20   22   24   26   28   30   32     Expenses   1,4  | Description  |          |  |      |        |   | of greenhouse gas emissions. Electricity losses occur in transformers, power lines, in the electricity meters themselves, in neutral wires with unbalance in phases, with unauthorized connections, with poor contacts in the distribution network and faulty equipment of the consumer.<br>The project will detect, measure, localize and eliminate losses based on monitoring the balance of daily and hourly consumption in medium and low voltage networks. The loss due to the electricity metering unit is determined by analyzing the hourly profiles of electricity consumption.<br>In Red Union Fenosa about 807 thousand subscribers. Total electricity losses in 2009 amounted to 326 million kWh. When implementing the BALANCE system, the energy losses are reduced by 80%, which is a decrease in losses for 807,000 consumers by 260 million kWh. In the CO2 equivalent, it will be 130 000 tons per year.<br>In addition, at an energy cost for the population of 122 dollars per 1000 kWh, the savings from loss reduction will be \$ 31,720,000 per year or \$ 39.31 per subscriber per year. If the cost of equipment is 100 USD \$ (balance meter + BALANCE system + works), the payback period of the metering system installation will be about 30 months. In case of participation in the program of CO2 emission reduction, the installation of the metering system "BALANCE" can be performed exclusively at the expense of the grant and will not require any additional costs from Red Union Fenosa. |        |        |      |      |            |        |   |      |      |      |      |  |  |
| Expenses<br>(min.USD)     1,4   | implementation of the "BALANCE"  |          |  |      |        | necessary to install 13450 radio modules D100FC per month + equip the distribution networks with balance counters, which will cost \$ 1.4 million per month. Below is a table of monthly costs for the implementation of the BALANCE system on the scale of |  |        |        |      |      |            |        |   |      |      |      |      |  |  |
| (min.USD)   1,4   |  | 2        | 4  | 6    | 8      | 10  | 12   | 14     | 16     | 18   | 20   | 22         | 24     | 26  | 28   | 30   | 32   |      |  |  |
| Savings<br>(mln.USD)     0,05     0,15     0,25     0,35     0,45     0.55     0,65     0,75     0,85     0,95     1,05     1,15     1,25     1,35     1,45     1,55       Cost per<br>month     1,35     1,25     1,15     1,05     0,95     0,65     0,75     0,65     0,35     0,25     0,15     0,05     -0,05     -0,15     20       The total project costs for the first 30 months will amount to 20.3 million USD, and it<br>the next 30 months it will be possible to return 20.3 million USD due to saving:<br>on reducing energy losses.       Results of the application of the<br>"BALANCE" system     Red Union Fenosa will receive an automated metering system on the scale of th<br>Republic of Moldova and energy losses of no more than 66 million KWh.<br>In case of participation in the program of reduction of CO2 emissions, Red<br>Union Fenosa can receive the BALANCE metering system solely from the gram<br>and also save by reducing energy losses of US \$ 31 720 000 per year.       Location     The Republic of Moldova. Red Union Fenosa. Number of subscribers 807 000     Category     Equivalent to CO2 emissions from electricity losses       Current status     PROJECT     2012     The duration of the project     5 years (installation of the BALANCE system<br>for verification / replacement of meters)       Reduction of GHG emissions (torune setimate) </td <td></td> <td>1,4</td> <th>1,4</th> <th>1,4</th> <td>1,4</td> <td></td>  |  | 1,4      | 1,4  | 1,4  | 1,4    | 1,4   | 1,4  | 1,4    | 1,4    | 1,4  | 1,4  | 1,4        | 1,4    | 1,4   | 1,4  | 1,4  | 1,4  |      |  |  |
| Cost per<br>month   1,35   1,25   1,15   1,05   0,95   0,85   0,75   0,65   0,55   0,45   0,35   0,15   0,05   -0,05   -0,05   -0,15   20     The total project costs for the first 30 months will amount to 20.3 million USD, and it<br>the next 30 months it will be possible to return 20.3 million USD, and it<br>the next 30 months it will be possible to return 20.3 million USD, and it<br>the next 30 months it will be possible to return 20.3 million USD, and it<br>the next 30 months it will be possible to return 20.3 million USD, and it<br>the next 30 months it will be possible to return 20.3 million USD, and it<br>the next 30 months it will be possible to return 20.3 million USD, and it<br>the next 30 months it will be possible to return 20.3 million USD, and it<br>the next 30 months it will be possible to return 20.3 million USD, and it<br>the next 30 months will receive an automated metering system on the scale of the<br>Republic of Moldova and energy losses of 0 more than 66 million kWh.<br>In case of participation in the program of reduction of CO2<br>months will amount of 20.02 million USD per year.     Location   The Republic of Moldova. Red Union Fenosa. Number of subscribers 807 000     Category   Equivalent to CO2 emissions from electricity losses     Current status   PROJECT     Project start date   2012     Schedule   The duration of the project     Before and including 2017 (indicative estimate)   1 950 000 tons of CO2     Period 20 years - until 2032 (indicative estimat   |  | 0.05     | 0.15   | 0.25 | 0.35   | 0.45  | 0.55   | 0.65   | 0.75   | 0.85 | 0.95 | 1.05       | 1.15   | 1.25  | 1.35 | 1.45 | 1.55 |      |  |  |
| Results of the application of the<br>"BALANCE" system   The total project costs for the first 30 months will amount to 20.3 million USD due to saving:<br>on reducing energy losses.     Red Union Fenosa will receive an automated metering system on the scale of the<br>Republic of Moldova and energy losses of no more than 66 million kWh.<br>In case of participation in the program of reduction of CO2 emissions, Red<br>Union Fenosa can receive the BALANCE metering system solely from the gran<br>and also save by reducing energy losses of US \$ 31 720 000 per year.     Location   The Republic of Moldova. Red Union Fenosa. Number of subscribers 807 000     Category   Equivalent to CO2 emissions from electricity losses     Current status   PROJECT     Schedule   Project start date   2012     The duration of the project   5 years (installation of the BALANCE system<br>for verification / replacement of meters)     Reduction of GHG emissions (tornes of CO2 equivalent)   325 000 tons of CO2     Before and including 2017 (indicative estimate)   1 950 000 tons of CO2     Project start date   20 300 000     The cost of the grant at the rate of 10 USD / ton of CO2   22 750 000     Project (USD)   2 450 000     Contact Information   The company «DJV-COM»     Mailing address   of.712 left side, 7 Miron Kostin str., Chisinau, Moldova, MD2068     Internet site   www.diy-corn.com     Phone /  | Cost per   | 1.35     | 1.25   |      |        |   |  |        |        |      |      |            |        |   |      |      |      | 20.3 |  |  |
| LocationThe Republic of Moldova. Red Union Fenosa. Number of subscribers 807 000CategoryEquivalent to CO2 emissions from electricity lossesCurrent statusPROJECTScheduleProject start date2012ScheduleThe duration of the project5 years (installation of the BALANCE system<br>for verification / replacement of meters)Reduction of GHG emissions (tonnes of CO2 equivalent)325 000 tons of CO2Before and including 2017 (indicative estimate)325 000 tons of CO2Period 20 years - until 2032 (indicative estimate)1 950 000 tons of CO2FinanceImage: Control of CO222 750 000 USDThe cost of the grant at the rate of 10 USD / ton of CO220 300 000 USDTotal investment costs for the system BALANCE (USD)20 300 000 USDProject (USD)2 450 000 USDContact InformationImage: Contact InformationThe developer of the projectThe company «DJV-COM»Mailing addressof.712 left side, 7 Miron Kostin str., Chisinau, Moldova, MD2068Internet sitewww.djv-com.net, www.djv-com.comPhone / Fax(+373 22) 438341/438334Contact person / PositionDombrovschi Veaceslav, Director   | Results of the application of the<br>"BALANCE" system  |          |  |      |        |   | The total project costs for the first 30 months will amount to 20.3 million USD, and in<br>the next 30 months it will be possible to return 20.3 million USD due to savings<br>on reducing energy losses.<br>Red Union Fenosa will receive an automated metering system on the scale of the<br>Republic of Moldova and energy losses of no more than 66 million kWh.<br>In case of participation in the program of reduction of CO2 emissions, Red<br>Union Fenosa can receive the BALANCE metering system solely from the grant   |        |        |      |      |            |        |   |      |      |      |      |  |  |
| Current status     PROJECT       Schedule     Project start date     2012       The duration of the project     5 years (installation of the BALANCE system for verification / replacement of meters)       Reduction of GHG emissions (tonnes of CO2 equivalent)     325 000 tons of CO2       Before and including 2017 (indicative estimate)     325 000 tons of CO2       Period 20 years - until 2032 (indicative estimate)     1 950 000 tons of CO2       Finance     The cost of the grant at the rate of 10 USD / ton of CO2     22 750 000 USD       Total investment costs for the system BALANCE (USD)     20 300 000 USD     20 300 000 USD       Profit from the project (USD)     2 450 000 USD     Contact Information       The developer of the project     The company «DJV-COM»     Mailing address       Mailing address     of.712 left side, 7 Miron Kostin str., Chisinau, Moldova, MD2068     Internet site       Www.djv-com.net, www.djv-com.com     Phone / Fax     (+373 22) 438341/438334     Contact person / Position   |  |          |  |      |        |   | The Republic of Moldova. Red Union Fenosa. Number of subscribers 807 000   |        |        |      |      |            |        |   |      |      |      |      |  |  |
| ScheduleProject start date2012The duration of the project5 years (installation of the BALANCE system<br>for verification / replacement of meters)Reduction of GHG emissions (tonnes of CO2 equivalent)Before and including 2017 (indicative estimate)325 000 tons of CO2Period 20 years - until 2032 (indicative estimate)1 950 000 tons of CO2Period 20 years - until 2032 (indicative estimate)1 950 000 tons of CO2FinanceThe cost of the grant at the rate of 10 USD / ton of CO222 750 000 USDTotal investment costs for the system BALANCE (USD)20 300 000 USDProfit from the project (USD)2 450 000 USDContact InformationThe company «DJV-COM»Mailing addressof.712 left side, 7 Miron Kostin str., Chisinau, Moldova, MD2068Internet sitewww.div-com.net, www.div-com.comPhone / Fax(+373 22) 438341/438334Contact person / PositionDombrovschi Veaceslav, Director  |  |          |  |      |        |   |  |        |        |      |      |            |        |   |      |      |      |      |  |  |
| Reduction of GHG emissions (tonnes of CO2 equivalent)Before and including 2017 (indicative estimate)325 000 tons of CO2Period 20 years - until 2032 (indicative estimate)1 950 000 tons of CO2FinanceThe cost of the grant at the rate of 10 USD / ton of CO222 750 000 USDTotal investment costs for the system BALANCE (USD)20 300 000 USDProfit from the project (USD)2 450 000 USDContact InformationThe company «DJV-COM»Mailing addressof.712 left side, 7 Miron Kostin str., Chisinau, Moldova, MD2068Internet sitewww.djv-com.net, www.djv-com.comPhone / Fax(+373 22) 438341/438334Contact person / PositionDombrovschi Veaceslav, Director  |  |          |  |      |        |   | Project start date   |        |        |      |      |            |        | 5 years (installation of the BALANCE system |      |      |      |      |  |  |
| Period 20 years - until 2032 (indicative estimate)   1 950 000 tons of CO2     Finance   The cost of the grant at the rate of 10 USD / ton of CO2   22 750 000 USD     Total investment costs for the system BALANCE (USD)   20 300 000 USD     Profit from the project (USD)   2 450 000 USD     Contact Information   The company «DJV-COM»     Mailing address   of.712 left side, 7 Miron Kostin str., Chisinau, Moldova, MD2068     Internet site   www.djv-com.net, www.djv-com.com     Phone / Fax   (+373 22) 438341/438334     Contact person / Position   Dombrovschi Veaceslav, Director   |  |          |  |      |        |   |  | 2 equi | valent | :)   |      |            |        |   |      |      |      |      |  |  |
| Finance     The cost of the grant at the rate of 10 USD / ton of CO2   22 750 000 USD     Total investment costs for the system BALANCE (USD)   20 300 000 USD     Profit from the project (USD)   2 450 000 USD     Contact Information   2450 000 USD     The developer of the project   The company «DJV-COM»     Mailing address   of.712 left side, 7 Miron Kostin str., Chisinau, Moldova, MD2068     Internet site   www.djv-com.net, www.djv-com.com     Phone / Fax   (+373 22) 438341/438334     Contact person / Position   Dombrovschi Veaceslav, Director  |  |          |  |      |        |   |  |        |        |      |      |            |        |   |      |      |      |      |  |  |
| The cost of the grant at the rate of 10 USD / ton of CO2   22 750 000 USD     Total investment costs for the system BALANCE (USD)   20 300 000 USD     Profit from the project (USD)   2 450 000 USD     Contact Information   The company «DJV-COM»     Mailing address   of.712 left side, 7 Miron Kostin str., Chisinau, Moldova, MD2068     Internet site   www.djv-com.net, www.djv-com.com     Phone / Fax   (+373 22) 438341/438334     Contact person / Position   Dombrovschi Veaceslav, Director  |  | /ai3 * U | 101 203  |      |        | Journal   | <u>.</u>   |        |        |      |      | 1 33       |        | 0113 01                                     | 552  |      |      |      |  |  |
| Profit from the project (USD)   2 450 000 USD     Contact Information   The developer of the project   The company «DJV-COM»     Mailing address   of.712 left side, 7 Miron Kostin str., Chisinau, Moldova, MD2068     Internet site   www.djv-com.net, www.djv-com.com     Phone / Fax   (+373 22) 438341/438334     Contact person / Position   Dombrovschi Veaceslav, Director  | The cost of t  |          |  |      |        |   |  |        |        |      |      |            |        |   |      |      |      |      |  |  |
| Contact Information     The developer of the project   The company «DJV-COM»     Mailing address   of.712 left side, 7 Miron Kostin str., Chisinau, Moldova, MD2068     Internet site   www.djv-com.net, www.djv-com.com     Phone / Fax   (+373 22) 438341/438334     Contact person / Position   Dombrovschi Veaceslav, Director  |  |          |  |      | stem B |   |  |        |        |      |      |            |        |   |      |      |      |      |  |  |
| The developer of the projectThe company «DJV-COM»Mailing addressof.712 left side, 7 Miron Kostin str., Chisinau, Moldova, MD2068Internet sitewww.djv-com.net, www.djv-com.comPhone / Fax(+373 22) 438341/438334Contact person / PositionDombrovschi Veaceslav, Director   |  |          |  | ט)   |        |   |  |        |        |      |      | 2 45       | 000    | 030   |      |      |      |      |  |  |
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| Phone / Fax (+373 22) 438341/438334   Contact person / Position Dombrovschi Veaceslav, Director   | Mailing addr   |          |  |      |        |   |  |        |        |      |      | sinau, I   | Voldov | a, MD2                                      | 2068 |      | _    |      |  |  |
| Contact person / Position Dombrovschi Veaceslav, Director   |  |          |  |      |        |   |  |        |        |      |      |            |        |   |      |      |      |      |  |  |
|   |  |          | sition   |      |        |   |  |        |        |      |      |            |        |   |      |      |      |      |  |  |
|   | E-mail   |          |  |      |        |   |  |        |        |      |      | <u>iet</u> |        |   |      |      |      |      |  |  |