



**NATIONAL AGENCY OF UKRAINE ON
ENSURING OF EFFICIENT USE OF ENERGY
RESOURCES MANAGEMENT**

**“Strategy and plans for the future for renewable energy of
Ukraine”**

Speaker: Oleksandr Kolisa

Temporary Alternative of Department Deputy Director - Head of Division

**Workshop on Renewable Energy and Energy Efficiency: Awareness Raising
campaigns and Political Framework**

March, 17, 2010

Kyiv

Ukrainian Government has defined the priorities of NAER activity:

- Legislative base improvement and creation of national standards system in the sphere of energy efficiency
- Creation of economical motivation system on rising of efficient use of fuel energy resources
- Development of state, branch and local programs in the sphere of efficient use of fuel energy resources and energy saving
- **Increasing of renewable energy resources and secondary energy resources share in fuel balance of Ukraine**

National Strategy on Energy Efficiency

**“State target economic
program on Energy
Efficiency
2010-2014”**

Project

58
*regional and branch
programs on
energy efficiency*

**With the aim to develop renewable energy
NAER has developed the following projects of
State Target Scientific Technical programs**

- Development of biological types of fuel production and utilisation**

- Complex program on wind power station building**

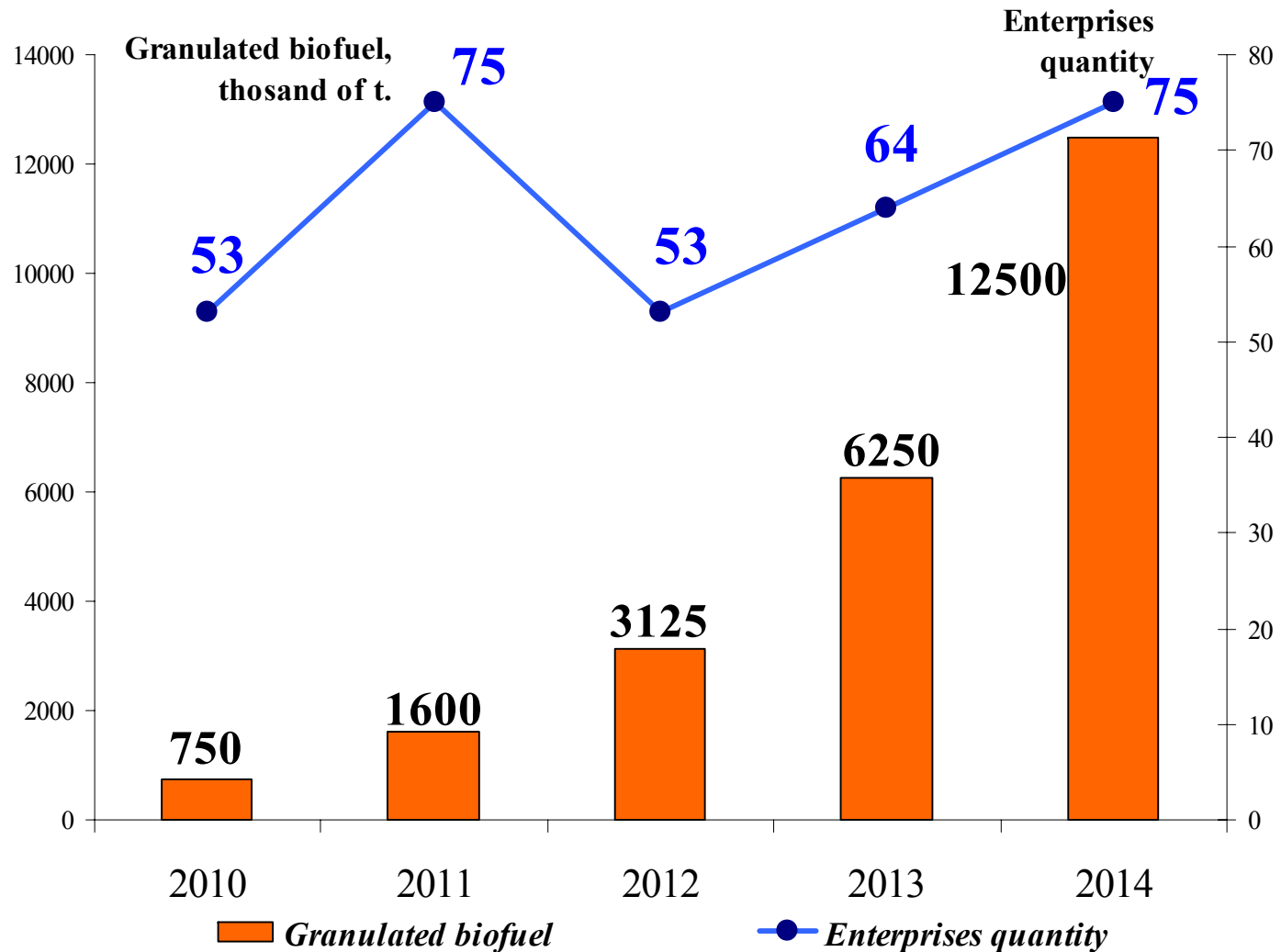
State programs on increasing of renewable resources share in the balance of Ukraine

Program

“Development biological types of fuel production and utilisation”

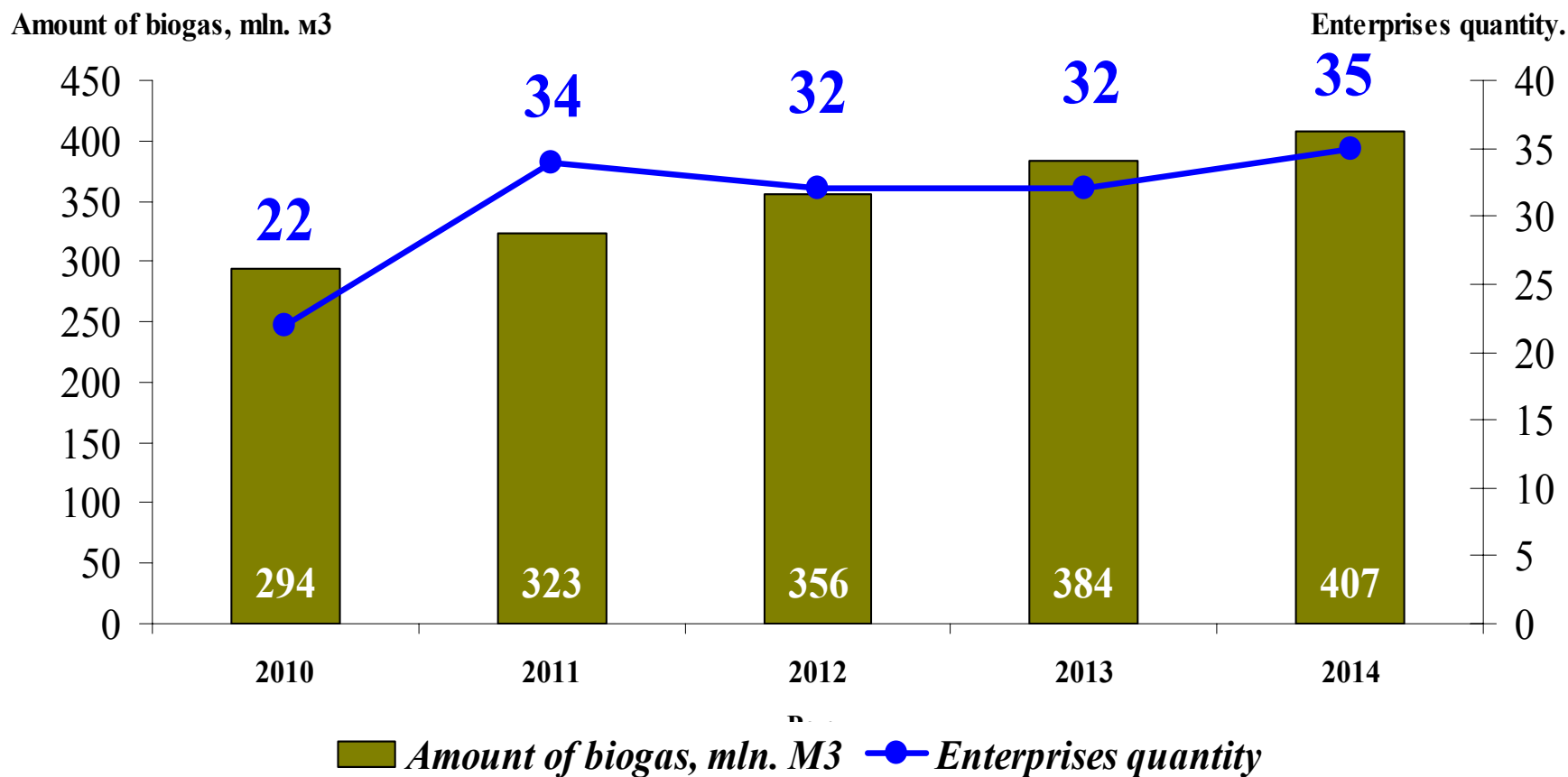
List of activities	Investment volume, mln.\$ 2010-2014						Production indices 2010-2014						
	Total	2010	2011	2012	2013	2014	Total	2010	2011	2012	2013	2014	
Pellets and briquettes production	524	86,787	122,812	86,787	104,802	122,812	24225 тис.т	750	1600	3125	6250	12500	
Biogas plant building	670	95,09	146,9	138,3	138,3	151,41	1764,3 mln.м3	294	323,4	355,7	384,1	407,1	
Building of biodiesel fuel enterprises	46	1,58	6,34	7,93	10,30	19,85	780,2 thousand of t.	30	96	168	212	274,2	
Building of bioethanole enterprises	52	4,16	6,24	10,4	14,56	16,64	567,8 thousand of t.	45,42	68,13	113,55	158,97	181,68	
Sum total financing		1292											

Pellets and briquettes production



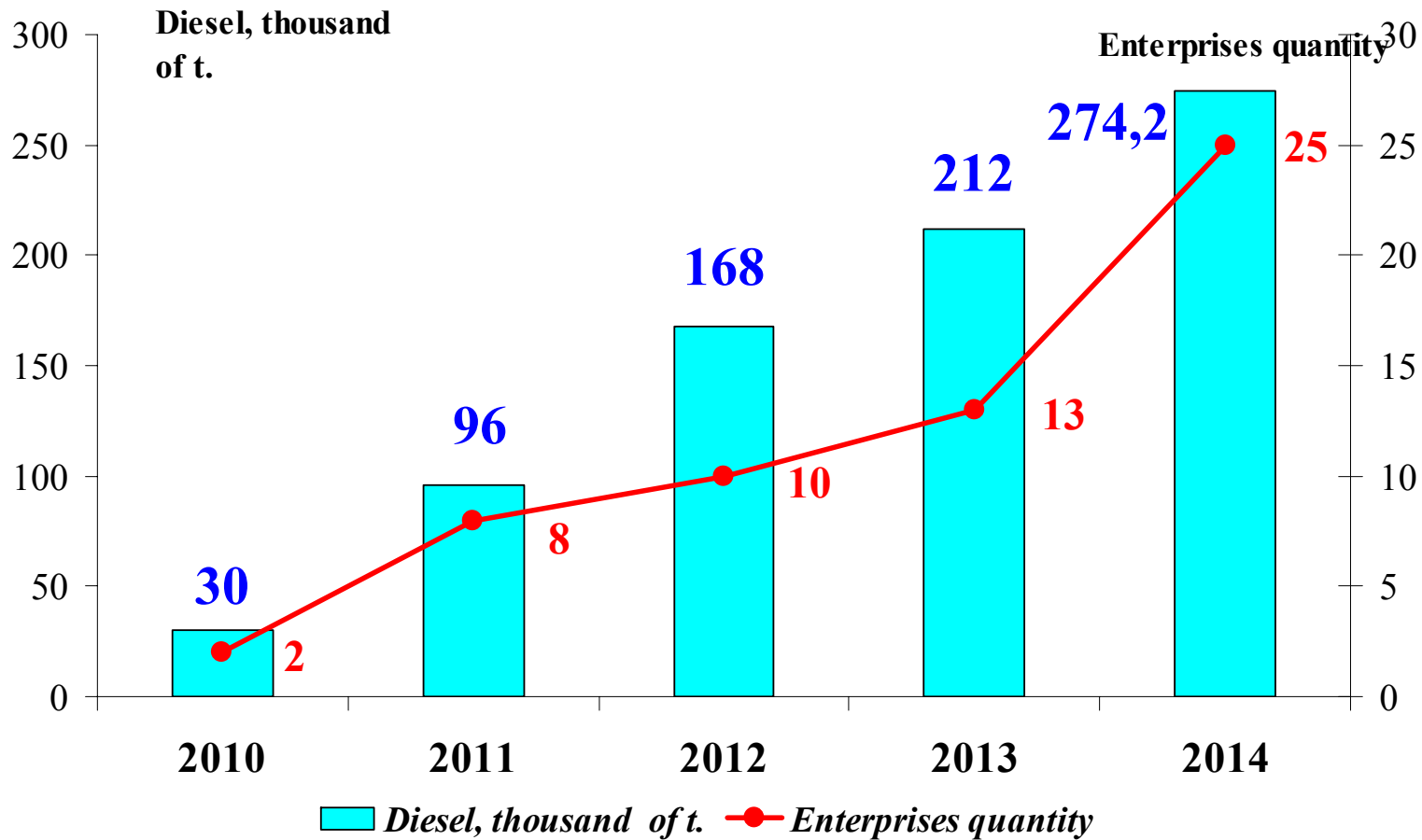
Total financing volume for 5 years - \$523, 9 mln

Building of modern energy efficient biogas plants



Total financing volume for 5 years – \$670, 4 mln.

Biodiesel fuel production



Total financing volume for 5 years – \$45,7 mln.

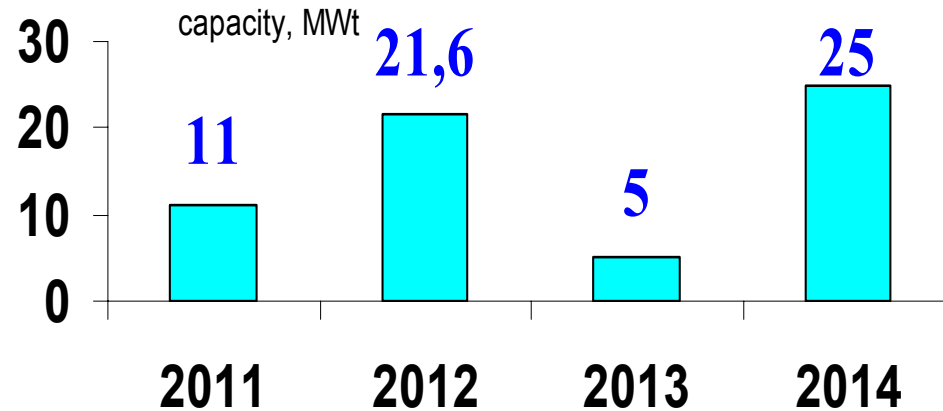
Program measures utilization will give a possibility to replace more than 6.8 billions m³ of natural gas or 580 thousand of t. of oil (level 2014)

Program

“Building of wind power station (WPS) in Ukraine

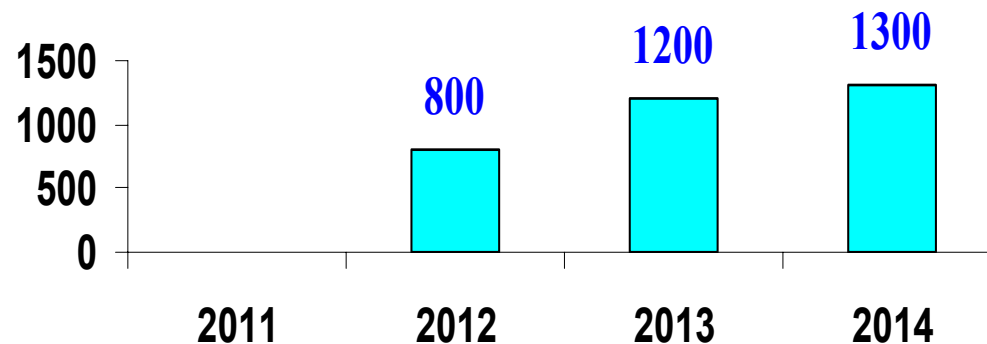
Research industrial WPS

**Total capacity:
62,6 MWt**



WPS funded by non-state investments

**Total capacity:
3300 MWt**



State programs on increasing of renewable energy resources share in the balance of Ukraine

“Development of biological types of fuel production and ”		
List of activities	Investments volume, mln\$ 2010-2014	Production volume for 2014
Pellets and briquettes production	524	12 500 thousand of t
Building of biogas plants	670	407,1 mln. m³
Building of enterprises on biodiesel fuel production	46	274,2 thousand of t
Building of enterprises on bioethanole	52	181,68 thousand of t
Total	1 292	
“Building of wind power station till 2014”		
Building of wind power station	7 498	3 300 MWt
“Utilization of sun energy and geothermal energy till 2014“		
Sun energy utilization	1022	190 MBt

Economical stimulation of energy efficiency in Ukraine

- Exemption of imported energy saving equipment from paying import duties (tax rate – 10 %) – *in force from 2008.*
- Exemption of imported energy saving equipment from paying value added tax (tax rate – 20%) – *in force from 2008.*
- Exemption of enterprises which produce renewable fuel or energy efficient equipment from paying profit tax (tax rate - 25 %) – *will come in force after acceptance by the Government a list of relevant equipment.*
- Exemption of enterprises, which implement energy saving technologies from profit tax to 50% (tax rate - 25 %) – *in force from 2008.*
- Usage of “green” tariff for electricity produced from renewable energy sources (“green” tariff is calculated of the highest retail tariff for industrial consumers on 01/01/2009 in euro equivalent, multiplied by from 0,8 to 4,8) – *in force from 2009.*

**NATIONAL AGENCY OF UKRAINE ON
ENSURING OF EFFICIENT USE OF ENERGY
RESOURCES MANAGEMENT**

Thank you for attention !

Speaker: Oleksandr Kolisa

Temporary Alternative of Department Deputy Director - Head of Division



Workshop on Renewable Energy and Energy Efficiency: Awareness Raising campaigns and Political Framework
March, 17, 2010 Kyiv