



OPERAČNÍ PROGRAM
ŽIVOTNÍ PROSTŘEDÍ



EVROPSKÁ UNIE
Fond soudržnosti
Evropský fond pro regionální rozvoj

Pro vodu,
vzduch
a přírodu

European support of solar systems from SFŽP of the CR

Ondřej Vrbický

Department of the air protection and renewable energy sources

Ministerstvo životního prostředí ■ Státní fond životního prostředí ČR
www.opzp.cz ■ [zelená linka 800 260 500](tel:800260500) ■ dotazy@sfzp.cz

Content

- Survey of European programs administrated by SFŽP
- Operational program Infrastructure
 - general rules, support of solar systems
- Operational program Living environment
 - general rules, support of solar systems
 - main eligible and ineligible expenses
 - assessment of the support intensity, appraisal of applications
- Actual calls and calls being prepared

Survey of European programs administrated by SFŽP

- **Operational program Infrastructure**
 - valid for the shortcut period 2004 -2006
 - financed from the European Development Fund (ERDF) and SFŽP
- **Operational program Living environment**
 - valid for then planning period 2007 - 2013
 - area of renewable energy sources financed from the Cohesion Fund (FS) and SFŽP

Operational program Infrastructure (2004 – 2006)

General rules

- Uptake of applications was done by advertised calls and was finished in the end of 2005 (depletion of resources)
- Support provided only to non-entrepreneurial subjects
- Support by means of
 - grant from ERDF (max. 75%)
 - grant from SFŽP (max. 10%)
 - loans from SFŽP (max. 5 %)
- Minimum cost per project CZK 0.5 mil., maximum cost CZK 300 mil. (EUR 10 mil.)
- Financing proceeded continuously based on submitted paid invoices

Operational program Infrastructure (2004 – 2006)

Support of OZE, respectively solar systems

- Within the frame of the measure 3.3 (together with projects of the air protection)
- During three calls, 80 applications in total were submitted regarding OZE, 13 applications of it for the implementation of solar photo-thermal systems
- Number of realized and supported OZE projects was 28, from that 4 solar systems
- Support intensity (ERDF+SFŽP) for OZE projects about CZK 430 mil., from that about CZK15 mil. for solar systems (including two combined projects with TČ)
- Within the frame of 4 realized projects, about 290 m² of solar collectors were installed

Operational program Living environment (2007 – 2013)

General rules

- Uptake of applications proceeds by advertised calls (call schedule being published on the web pages of OPŽP)
- Applications are filled in electronically and submitted in printed forms at the regional offices of SFŽP
- Eligibility of implementation expenses after accepting the application, cost of project preparations since Jan. 1st, 2007 (max. 24 months before making the application)
- Support by means of
 - grant from FS (max. 85 %)
 - grant from SFŽP (max. 5 %)
 - loans from SFŽP (financing up to 90 %)

Operational programme Living environment (2007 – 2013)

General rules - continuation

- Minimum expenses per project CZK 0.5 mil., maximum expenses
 - individual project about CZK 650 mil. (EUR 25 mil.)
 - large project above EUR 25 mil.
- Financing proceeds continuously based on submitted paid invoices (deposit financing possibility is also being negotiated)

Operational program Living environment (2007 – 2013)

Support of OZE, respectively photo-thermal systems

- Support of OZE is primarily in the independent priority axis 3 „*Renewable usage of energy sources*“, solar systems especially in the support sub-area 3.1.1 „*Building and reconstructions of heat sources using OZE*“
- Solar systems can be combined with another heat source within the frame of the sub-area 3.1.1 (TČ, biomass) or with a realization of building heat insulation
- Additionally, it is possible to support solar systems within PO 2 (combined with the installation of combustion source for ZP and possible synchronous heat insulation) or within PO 7 (at building environmental information centres)
- Support of OZE provided only to non-entrepreneurial subjects (except commercial companies 100% owned by a public subject)
- *At present time, support of OZE is being prepared as concerns flat-buildings, when all subjects owning flat-buildings are allowed to ask for*

Operational program Living environment (2007 – 2013)

Support of OZE, respectively photo-thermal systems – evaluation

- For the area 3.1 „Usage of OZE“, CZK 9.4 mld. is allocated, CZK 1.5 mld. is supposed for the solar energy
- Within the 1st call, 10 independent solar systems were supported, 7 solar systems combined with a heat insulation, 1 solar system combined with a heat pump
- From that total approved support for OZE in the amount of CZK 50 mil., CZK15 mil. fall on solar systems
- Up to now, 950 m² of solar collectors will be installed through the implementation of all approved solar systems

Operational program Living environment (2007 – 2013)

Main eligible expenses for the projects of solar installations

- Project preparation (documentation, energetic audits, processing the applications, organization of selection procedures)
- Cost of propagation
- Engineering supervision/ construction administrator
- Direct implementation cost (solar system including installation and directly related building works)

Main ineligible expenses for the projects of solar installations

- Savings of operational cost generated by the project during 5 years (value resulting from an energy audit)

Operational program Living environment (2007 – 2013)

Assessment of the support intensity at solar installations

- Projects of large solar systems (sales of heat to other subjects happen) – based on the financial analysis (about 40% - 70%) or in accordance with VP rules for the regional support (up to 40%).
- Projects of large solar systems for a local use – 90 % of the eligible expenses (whereas eligible expenses are not savings of the operational cost generated during 5 years – the amount resulting from the energy audit must be deducted).
- *Projects focused on the production of electrical energy (photovoltaic systems) – based on VP rules for the regional support (up to 20 % and max. CZK 50 mil. per project and applicant) or de minimis (up to 40 % and max. EUR 200 thousand – systems integrated into a building)*

Operational program Living environment (2007 – 2013)

Evaluation of applications as concerns solar systems

A. Ecological relevancy of the project (weight 40 %)

- specific financial demand for a reduction of CO₂ emissions
flat (46.3 – 138.9), vacuum (69.4 – 173.6) [thousands of CZK/ ton of
CO₂ * year]

B. Technical performance of the project

- specific financial demand of the installed output (weight 20 %)
flat (20 – 40), vacuum (30 – 50) [thousands of CZK/ kW]
- Usage of the installed output (weight 20 %)
(1200 – 800) [hours / year]

C. Economic evaluation (weight 20 %)

- assessment of the economic eligibility (value) of the applicant
(especially as for the financial finishing of the project)

Operational program Living environment (2007 – 2013)

Actual calls and calls being prepared (suitable for solar systems)

- Large projects in PO 2 and 3: August 2008 – December 2009
(projects above EUR 25 mil.)
- Individual projects in PO 2 and 7: February 9, 2009 – April 6, 2009
(combination with a gas boiler or within the build-up of information centre)
- Individual projects in PO 3 May – June 2009
(all solar systems with the cost over CZK 0.5 mil.)

Thanks for your attention

Ondřej Vrbický

Department of the air protection and renewable energy sources



Státní fond životního prostředí České republiky
Olbrachtova 2006/9, 140 00 Praha 4 **POZOR ZMĚNA**
ondrej.vrbicky@sfzp.cz
www.opzp.cz ■ [zelená linka 800 260 500](tel:800260500) ■ dotazy@sfzp.cz