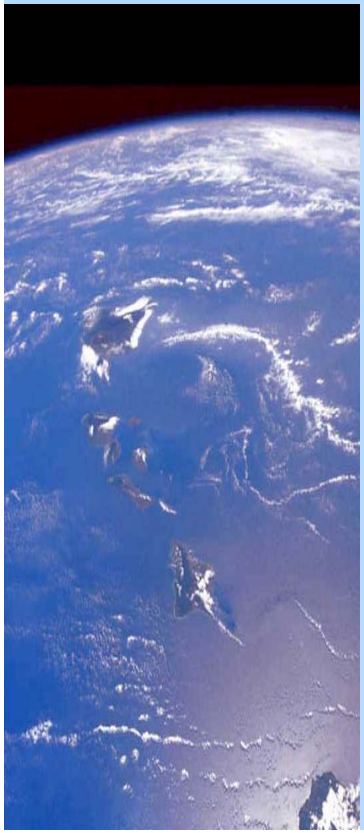

United Nations
Economic Commission for Europe

Energy Efficiency 21 Programme

Financing Energy Efficiency and Renewable Energy Investments for Climate Change Mitigation

Work Plan for the Fourth Year of Project Operations (2011)

Oleg Dzioubinski

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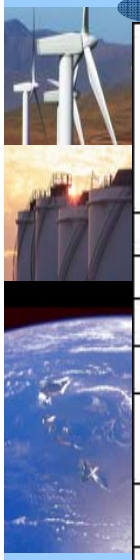
Sustainable Energy Division

Group of Experts on Energy Efficiency and Renewable Energy Investments for Climate Change Mitigation

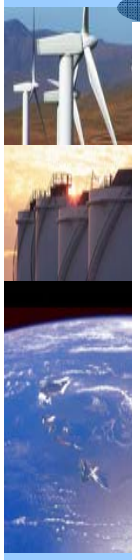
Sixteenth session, 20-22 October 2010

Table 1: WORKPLAN TASKS – Objectives, Activities, Outputs and Tasks for the Fourth Year of Project Operations



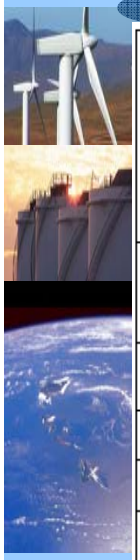
Project Objectives, Activities and Outputs	Partners for Project Implementation			
	National Coordinators	National Participating Institutions	Project Management Unit	Contractors and Consultants
Objective One: Identify and develop investment projects				
1.1 Network of energy efficiency managers in participating countries				
(a) 2 Group of Experts meetings in 2011	■	■	■	■
(b) 1 Website per country functional and maintained		■		■
(c) 1 Project Website functional and maintained			■	■
(d) On-line project development software operational and maintained		■		
(e) On-line training modules for local teams communications and software use operational		■	■	■
1.2 Trained experts in project development, finance, business planning				
(a) Trainers to provide services for investment project development and financial engineering selected			■	■
(b) Groups of participants in participating countries selected and receiving training	■	■	■	■
(c) Targeted training/business development courses conducted	■	■	■	■
(d) Remote assistance to training course participants provided via Internet				■
(e) Training course materials linked to Internet dissemination				■
1.3 Investment project pipeline				
(a) Set of investment project proposals meeting agreed criteria prepared	■	■	■	■
(b) Technical and financial evaluation of proposed projects performed by Investment Fund Manager and/or Financing Coordination Unit			■	■
(c) Written evaluation of project proposals for clearance, revision, reformulation or rejection prepared			■	■
(d) Advice for supporting policy reforms prepared				

Table 1: WORKPLAN TASKS – Objectives, Activities, Outputs and Tasks for the Fourth Year of Project Operations (continued)



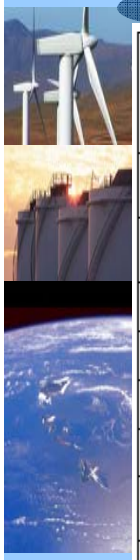
Project Objective, Activities and Outputs	Partners for Project Implementation			
	National Coordinators	National Participating Institutions	Project Management Unit	Contractors and Consultants
Objective Two: Strengthen energy efficiency policies				
2.1 Economic, Institutional and Regulatory Reforms				
(a) Publication of case studies developed by the National Participating Institutions (NPI) and by the regional policy analysis contractor				
(b) Identification of specific policy 'bottlenecks' to energy efficiency and renewable energy projects				
(c) 1 Workshop for international and local experts organized				
2.2 Energy Efficiency Seminars				
(a) 1 follow-up seminar on policy reforms organized				
2.3 Policy Advisory Services				
(a) Policy advisory services on energy policy reforms in participating countries provided				
(b) Analysis of economic and environmental impact of policy reforms continued				
(c) Consultative meetings of policy-makers, NPIs and Investment Fund Manager conducted				
(d) Evaluation of national experiences in adoption of recommended policy reforms conducted				

Table 1: WORKPLAN TASKS – Objectives, Activities, Outputs and Tasks for the Fourth Year of Project Operations (continued)



Project Objective, Activities and Outputs	Partners for Project Implementation			
	National Coordinators	National Participating Institutions	Project Management Unit	Contractors and Consultants
Objective Three: Promote opportunities for commercial sector investors				
3.1 Energy Efficiency and Renewable Energy Investment Fund				
(a) 1 public-private Investment Fund launched and operating				
(b) Bankable projects presented to financial institutions, investment funds				
3.2 Investment Project Development Standards				
(a) Small working group on standards convened and continues working				
(b) Software and Internet prototype applications of standard templates prepared				
(c) Standards submitted for review and adoption through UNECE				
3.3 Investment Project				
(a) Adapt software package bundling small energy efficiency projects				
(b) Project pipeline inventory maintained and operational				
(c) Access to the project pipeline for the Investment Fund Manager and Financing Coordination Unit provided				

Table 2: WORKPLAN TIMETABLE – Objectives, Activities, Outputs and Schedule of the Fourth Year of Project Operations



Project Objectives, Activities and Outputs	Schedule of Project Operations: January – December 2011											
	1	2	3	4	5	6	7	8	9	10	11	12
Objective One: Identify and develop investment projects												
1.1 Network of energy efficiency managers in participating countries												
(a) 2 Ad Hoc Group of Experts meetings in 2011				■						■		
(b) 1 Website per country functional and maintained	■	■	■	■	■	■	■	■	■	■	■	■
(c) 1 Project Website functional and maintained	■	■	■	■	■	■	■	■	■	■	■	■
(d) On-line project development software operational and maintained	■	■	■	■	■	■	■	■	■	■	■	■
(e) On-line training modules for local teams communications and software use operational	■	■	■	■	■	■	■	■	■	■	■	■
1.2 Trained experts in project development, finance, business planning												
(a) Trainers to provide services for investment project development and financial engineering selected	■	■	■	■								
(b) Groups of participants in participating countries selected and receiving training	■	■	■	■	■	■	■	■	■	■	■	■
(c) Targeted training/business development courses conducted	■	■	■	■	■	■	■	■	■	■	■	■
(d) Remote assistance to training course participants provided via Internet	■	■	■	■	■	■	■	■	■	■	■	■
(e) Training course materials linked to Internet dissemination	■	■	■	■	■	■	■	■	■	■	■	■
1.3 Investment project pipeline												
(a) Set of investment project proposals meeting agreed criteria prepared	■	■	■	■	■	■	■	■	■	■	■	■
(b) Technical and financial evaluation of proposed projects performed by Investment Fund Manager and/or Financing Coordination Unit	■	■	■	■	■	■	■	■	■	■	■	■
(c) Written evaluation of project proposals for clearance, revision, reformulation or rejection prepared	■	■	■	■	■	■	■	■	■	■	■	■
(d) Advice for supporting policy reforms prepared	■	■	■	■	■	■	■	■	■	■	■	■

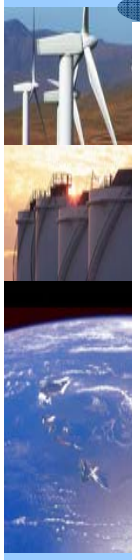
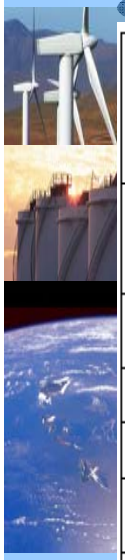


Table 2: WORKPLAN TIMETABLE – Objectives, Activities, Outputs and Schedule of the Fourth Year of Project Operations (continued)

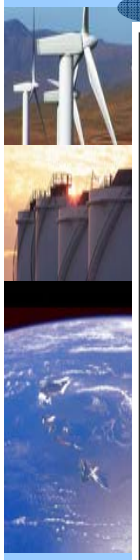
Project Objective, Activities and Outputs	Schedule of Project Operations: January - December 2011											
	1	2	3	4	5	6	7	8	9	10	11	12
Objective Two: Strengthen energy efficiency policies												
2.1 Economic, Institutional and Regulatory Reforms												
(a) Publication of case studies developed by the National Participating Institutions (NPI) and by the regional policy analysis contractor	■	■	■	■	■							
(b) Identification of specific policy 'bottlenecks' to energy efficiency and renewable energy projects	■	■	■	■	■	■	■	■	■	■	■	■
(c) 1 Workshop for international and local experts organized							■	■	■			
2.2 Energy Efficiency Seminars												
(a) 1 follow-up Seminar on Policy Reforms organized										■		
2.3 Policy Advisory Services												
(a) Policy advisory services on energy policy reforms in participating countries provided	■	■	■	■	■	■	■	■	■	■	■	■
(b) Analysis of economic and environmental impact of policy reforms continued	■	■	■	■	■	■	■	■	■	■	■	■
(c) Consultative meetings of policy-makers, NPIs and Investment Fund Manager conducted	■	■	■	■	■	■	■	■	■	■	■	■
(d) Evaluation of national experiences in adoption of recommended policy reforms conducted	■	■	■	■	■	■	■	■	■	■	■	■

Table 2: WORKPLAN TIMETABLE – Objectives, Activities, Outputs and Schedule of the Fourth Year of Project Operations (continued)



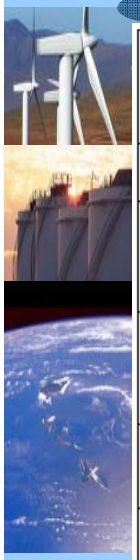
Project Objective, Activities and Outputs	Schedule of Project Operations: January - December 2011											
	1	2	3	4	5	6	7	8	9	10	11	12
Objective Three: Promote opportunities for commercial sector investors												
3.1 Energy Efficiency and Renewable Energy Investment Fund												
(a) 1 Public-Private Investment Fund launched and operating												
(b) Bankable projects presented to financial institutions, investment funds												
3.2 Investment Project Development Standards												
(a) Small working group on standards convened and continues working												
(b) Software and Internet prototype applications of standard templates prepared												
(c) Standards submitted for review and adoption through UNECE												
3.3 Investment Project												
(a) Adapt software package bundling small energy efficiency projects												
(b) Project pipeline inventory maintained and operational												
(c) Access to the Project Pipeline for the Investment Fund Manager and Financing Coordination Unit provided												

Table 3: Work Plan Fourth Year: Output Costs and Total Output Costs – 2011 (US dollars)



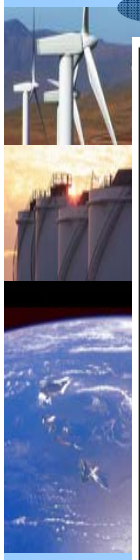
Objective, Activity and Outputs	Comments	National Participating Institutions	Project Management Unit	Consultants and Contractors	Total (US Dollars)
Objective One: Identify and develop investment projects					
1.1 A network of energy efficiency managers in participating countries					
(a) 2 Ad Hoc Group of Experts meetings in 2010	NC and/or NPI travel costs	70,000	- -	10,000	80,000
(b) 1 website per country functional and maintained	$ 5,000 per country (*partially funded in 2010*)	35,000	- -	- -	35,000
(c) 1 project website functional and maintained	Website and Communications contractor: EnEffect	- -	- -	1	- -
(d) On-line project development software operational and maintained	EnEffect	- -	- -	1	- -
(e) On-line training modules for local teams communications and software use operational	EnEffect	- -	- -	1	- -
1.1 Sub-total Cost		105,000	- -	10,000	115,000
1.2 Trained experts in project development, finance, business planning					
(a) Trainers to provide services for Investment Project Development and Financial Engineering selected	PMU in kind contribution	- -	- -	- -	- -
(b) Groups of participants in participating countries selected and receiving training	NPI related expenditures covered by item 1.2 (c) below	- -	- -	- -	- -
(c) Targeted training/business development courses conducted	Courses in a country or a group of countries; NPI in-kind contribution (*partially funded in 2010*)	60,000	15,000	270,000	345,000
(d) Remote assistance to training course participants provided via Internet	EnEffect	- -	- -	1	- -
(e) Training course materials linked to Internet dissemination	EnEffect	- -	- -	1	- -
1.2 Sub-total Cost		60,000	15,000	270,000	345,000

Table 3: Work Plan Fourth Year: Output Costs and Total Output Costs – 2011 (continued)



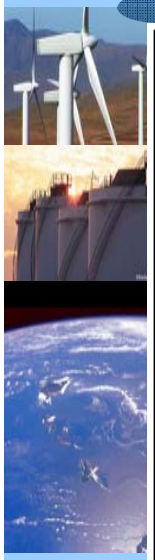
Objective, Activity and Outputs	Comments	National Participating Institutions	Project Management Unit	Consultants and Contractors	Total (US Dollars)
1.3 Investment project pipeline					
(a) Set of investment project proposals meeting agreed criteria prepared	Indicative projects prepared in 4 countries, US$ 20,000 per year per country	80,000	- -	- -	80,000
(b) Technical and financial evaluation of proposed projects performed by Investment Fund Manager and/or Financing Coordination Unit	Fund Manager/Financing Coordination Unit	- -	- -	- -	- -
(c) Written evaluation of project proposals for clearance, revision, reformulation or rejection prepared	Fund Manager/Financing Coordination Unit/Consultants	- -	- -	150,000	150,000
(d) Advice for supporting policy reforms prepared	Fund Manager/Financing Coordination Unit/Consultants (covered by item 1.3 above)	- -	- -	- -	- -
1.3 Sub-total Cost		80,000	- -	150,000	230,000
Objective Two: Strengthen energy efficiency and renewable energy policies					
2.1 Economic, Institutional and Regulatory Reforms					
(a) Publication of case studies developed by the National Participating Institutions (NPI) and by the regional policy analysis contractor	Translation, printing	- -	- -	25,000	- -
(b) Identification of specific policy 'bottlenecks' to energy efficiency and renewable energy projects	Fund Manager/Financing Coordination Unit/Consultants (covered by item 1.3 above)	- -	- -	- -	- -
(c) 1 Workshop for international and local experts organized	In or outside Geneva	35,000	5,000	- -	40,000
2.1 Sub-total Cost		35,000	5,000	25,000	65,000

Table 3: Work Plan Fourth Year: Output Costs and Total Output Costs – 2011 (continued)



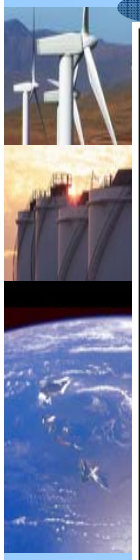
Objective, Activity and Outputs	Comments	National Participating Institutions	Project Management Unit	Consultants and Contractors	Total (US Dollars)
2.2 Energy Efficiency Seminars					
(a) 1 follow-up Seminar on Policy Reforms organized	In or outside Geneva	35,000	5,000	- -	40,000
2.2 Sub-total Cost		35,000	5,000	- -	40,000
2.3 Policy Advisory Services					
(a) Policy advisory services on energy policy reforms in participating countries provided	Financing Coordination Unit/Consultants (covered by item 1.3 above)	- -	- -	- -	- -
(b) Analysis of economic and environmental impact of policy reforms prepared	NPI in-kind contribution	- -	- -	- -	- -
(c) Consultative meetings of policy-makers, NPIs and Investment Fund Manager conducted		25,000	5,000	- -	30,000
(d) Evaluation of national experiences in adoption of recommended policy reforms conducted	NPI in-kind contribution	- -	- -	- -	- -
2.3 Sub-total Cost		25,000	5,000	- -	30,000

Table 3: Work Plan Fourth Year: Output Costs and Total Output Costs – 2011 (continued)



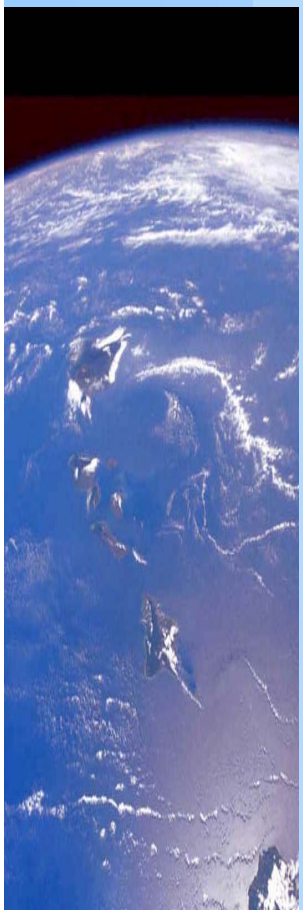
Objective Three: Promote opportunities for commercial banks and companies to invest					
3.1 Energy Efficiency and Renewable Energy Investment Fund					
(a) 1 Public-Private Investment Fund launched and operating	Fund Manager/Financing Coordination Unit	- -	- -	- -	- -
(b) Bankable projects presented to financial institutions, investment funds	Fund Manager/Financing Coordination Unit	- -	- -	- -	- -
3.1 Sub-total Cost		- -	- -	- -	- -
3.2 Investment Project Development Standards					
(a) Small working group on standards convened and continues working	Working Group/Consultants	- -	- -	30,000	30,000
(b) Software and Internet prototype applications of standard templates prepared	Working Group/Fund Manager/Financing Coordination Unit/EnEffect	- -	- -	1	- -
(c) Standards submitted for review and adoption through UNECE	PMU	- -	- -	- -	- -
3.2 Sub-total Cost		- -	- -	30,000	30,000
3.3 Investment Project Pipeline Inventory					
(a) Adapt software package bundling small energy efficiency projects	Fund Manager/Financing Coordination Unit/EnEffect	- -	- -	1	- -
(b) Project pipeline inventory maintained and operational	EnEffect/NPIs	- -	- -	1	- -
(c) Access to the Project Pipeline for the Investment Fund Manager and Financing Coordination Unit provided		- -	- -	1	- -
3.3 Sub-total Cost		- -	- -	- -	- -
Total Output Costs[1]		**340,000**	**30,000**	**485,000**	**855 ,000**

Table 3: Work Plan Fourth Year: Output Costs and Total Output Costs – 2011 (continued)



Item of Expenditure	Comments	National Participating Institutions	Project Management Unit	Consultants & Contractors	Total (US Dollars)
Total Output Costs	See table outputs and cost above	340,000	30,000	485,000	855,000
Travel PMU not specified above	Travel costs 50,000 per year	- -	50,000	- -	50,000
General Operating Costs, Equipment	PMU operating costs, IT equipment, external printing	- -	20,000	- -	20,000
Monitoring, Evaluation	UNFIP	- -	- -	25,000	25,000
Associate Programme Officer L-2	PMU, Geneva	- -	150,000	- -	150,000
Investment Fund Designer contract	*Conning Asset Management Limited; Budgeted in work plan of 2010*	- -	- -	*Total disbursed in 2010*	- -
Regional Analysis of Policy Reforms to Promote Energy Efficiency and Renewable Energy Investments	*Pöyry Energy Consulting AG; Budgeted in work plan of 2009*	- -	- -	*Total disbursed in 2009*	
Development of a Website and Internet Communications Network of Energy Efficiency Managers in Eastern Europe	Centre for Energy Efficiency EnEffect	- -	- -	100,000	100,000
Total Project Cost		**340,000**	**250,00**	**610,000**	**1,200,000**

[1] Amount is part of the total contract: Specific amounts will be determined by the respective contractor(s) based on the overall budgets for the three contracts as follows: $1,250,000 for Investment Fund Designer (12 months, total amount disbursed on the budget of 2010); $988,300 for Regional Analysis of Policy Reforms to Promote Energy Efficiency and Renewable Energy Investments (12 months, total amount disbursed on the budget of 2009); $497,230 for Development of a Website and Internet Communications Network of Energy Efficiency Managers in Eastern Europe (36 months, 20 per cent of amount ($100,000) due on the budget of 2011). Amounts allocated to the contracts are included in the Table 3 separately under the total project costs.



Thank you for your attention!

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