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GEF Sino-Singapore Tianjin Eco-City (P098915)

EAST ASIA AND PACIFIC | China | Urban Development Global Practice |
Global Environment Project | Specific Investment Loan | FY 2011 | Seq No: 7 | ARCHIVED on 06-May-2015 | ISR19025 |

Implementing Agencies:

Key Dates

Key Project Dates

Board Approval date:22-Jul-2010
Effectiveness Date:14-Dec-2010
Planned Mid Term Review Date:24-Mar-2014
Actual Mid-Term Review Date:10-Oct-2014
Original Closing Date:30-Jun-2016
Revised Closing Date:30-Jun-2016

Global Environmental Objectives

Global Environmental Objective (from Project Appraisal Document)
To assist Sino Singapore Tianjin Eco-City Administrative Committee (SSTECAC) to develop Sino Singapore Tianjin Eco-City (SSTEC) asan energy and resource efficient and low Green House Gas (GHG) emission city.

Has the Global Environmental Objective been changed since Board Approval of the Project Objective?
No

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Components

Name
TA, Software and Equipment for Implementation Framework of the SSTEC Master Plan & Dissemination:(Cost $1.43 M)
TA for Public Transport System:(Cost $0.71 M)
Green Building Pilot Investment and TA:(Cost $0.35 M)

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of GEO	Satisfactory	Satisfactory
Overall Implementation Progress (IP)	Satisfactory	Satisfactory
Overall Risk Rating	Low	Low

Implementation Status and Key Decisions

The various project technical assistance packages have been completed, and have made considerable contributions to assist the SSTECAC to develop the SSTEC as an energy and resource efficient city. A comprehensive financial model has supported Eco-city's 2013-2023 GDP and revenue projections. Some policy recommendations, such as those on the establishment of a renewable energy subsidiary system and solid waste and wastewater collection and management system, have been adopted by Eco-city and translated into reality. Eco-city has also developed its own office automation system based on the implementation tool kit supported by the project. The indicators management system provided a sample framework to develop a digital city management system for the future. Under the public transport component, Eco-city has utilized the completed public transport guide book to support the establishment its first public transportation company in the context of stop selection, bus routing, bus selection, and operations and maintenance. Under the green building component, a development framework has been established to reduce building energy use, including monitoring indicators and an incentive fund. Suggestions are also being made on how to revise green building codes. As far as the two green building pilots go, the pilot housing is ahead of schedule with final targets already attained for energy savings and greenhouse gas emissions. The construction of the pilot middle school was recently completed.
The project mid-term review, which is to utilize as much as $1.9 million in grant savings as a result of competitive biddings to support additional technical assistances for water and transportation master planning, green building promotional activities and establishment of renewal energy monitoring platform, was completed on December 4, 2014. The procurement of consultants for these additional technical assistance is underway.

Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	--	Low	Low
Macroeconomic	--	Low	Low
Sector Strategies and Policies	--	Low	Low
Technical Design of Project or Program	--	Low	Low
Institutional Capacity for Implementation and Sustainability	--	Low	Low
Fiduciary	--	Low	Low
Environment and Social	--	Low	Low
Stakeholders	--	Low	Low

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Other	--	--	Low
Overall	--	Low	Low

Results

Global Environmental Objective Indicators

▸ Enabling policy, regulatory and institutional framework for materializing the vision and objectives of the SSTEC master plan(Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	none	Framework completed and accepted by Eco-city.	Framework completed and accepted by Eco-city.	--
Date	14-Dec-2010	24-Nov-2014	24-Nov-2014	--

▸ Share of public transport mode within SSTEC (percentage)(Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0	40%	40%	45%
Date	14-Dec-2010	24-Nov-2014	24-Nov-2014	30-Jun-2016

▸ Incremental annual energy savings in the GEF Grant-funded two pilot green buildings, which exceed the minimum requirements of the current GBES of SSTEC (Mwh)(Megawatt, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	3319.00	3319.00	5453.00
Date	14-Dec-2010	24-Nov-2014	24-Nov-2014	30-Jun-2013

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▸ Incremental annual energy savings and GHGreduction in the GEF Grant-funded two pilotgreen buildings, which exceed the minimumrequirements of the current GBES of SSTECNB1 (iCO2e)(Metric ton, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2425.00	2425.00	3132.00
Date	14-Dec-2010	23-May-2014	24-Nov-2014	30-Jun-2013

Overall Comments

Intermediate Results Indicators

▸ Comp 1 - KPI reviewed and secondary KPIs developed (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	--	KPI reviewed and secondary KPIs developed.	KPI reviewed and secondary KPIs developed.	KPI reviewed and secondary KPIs developed.
Date	14-Dec-2010	24-Nov-2014	24-Nov-2014	30-Jun-2016

▸ Comp 1 - City Based GHG calculated (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	--	Calculation completed.	Calculation completed.	City Based GHG calculated.
Date	14-Dec-2010	24-Nov-2014	24-Nov-2014	30-Jun-2016

▸ Comp 1 - Finance and economic analysis conducted for key investment components for alternative decisions (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	--	Finance and economic analysis conducted for key investment components for alternative decisions.	Finance and economic analysis conducted for key investment components for alternative decisions.	Finance and economic analysis conducted for key investment components for alternative decisions.

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Date	14-Dec-2010	24-Nov-2014	24-Nov-2014	30-Jun-2016

▸ Comp 1 - SSTEAC fiscal finance model developed (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	--	SSTEAC fiscal finance model developed.	SSTEAC fiscal finance model developed.	SSTEAC fiscal finance model developed.
Date	14-Dec-2010	24-Nov-2014	24-Nov-2014	30-Jun-2016

▸ Comp 1 - Policy, regulatory incentives framework developed for achieving KPIs (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	--	Final report completed.	Final report completed.	Policy, regulatory incentives framework developed for achieving KPIs.
Date	14-Dec-2010	24-Nov-2014	24-Nov-2014	30-Jun-2016

▸ Comp 1 - Institutional structure and mechanism established for SSTEC planning, construction and management (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	--	Institutional structure and mechanism established for SSTEC planning, construction and management have been established and reviewed by the TA consultant. Comments have been taken into account, especially with regard to the green building planning and implementation.	Institutional structure and mechanism established for SSTEC planning, construction and management have been established and reviewed by the TA consultant. Comments have been taken into account, especially with regard to the green building planning and implementation.	Institutional structure and mechanism established for SSTEC planning, construction and management.

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Date	14-Dec-2010	24-Nov-2014	24-Nov-2014	30-Jun-2016

▸ Comp 1 - Institutional structure and mechanism established for stakeholder coordination (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	--	Institutional structure and mechanism established for stakeholder coordination.	Institutional structure and mechanism established for stakeholder coordination.	Institutional structure and mechanism established for stakeholder coordination.
Date	14-Dec-2010	24-Nov-2014	24-Nov-2014	30-Jun-2016

▸ Comp 1- MIS for planning, implementation management and monitoring, developed (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	--	MIS for planning, implementation management and monitoring, developed.	MIS for planning, implementation management and monitoring, developed.	MIS for planning, implementation management and monitoring, developed.
Date	14-Dec-2010	24-Nov-2014	24-Nov-2014	30-Jun-2016

▸ Comp 1- Dissemination strategy prepared and activities initiated (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	--	Dissemination strategy had been prepared by TA consultant, and activities initiated since 2013.	Dissemination strategy had been prepared by TA consultant, and activities initiated since 2013.	Dissemination strategy prepared and activities initiated
Date	14-Dec-2010	24-Nov-2014	24-Nov-2014	30-Jun-2016

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▸ Comp 2 - Integrated public transport sector strategies developed (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	--	Integrated public transport sector strategies developed.	Integrated public transport sector strategies developed.	Integrated public transport sector strategies developed
Date	14-Dec-2010	24-Nov-2014	24-Nov-2014	30-Jun-2016

▸ Comp 2 - Lifecycle financial analysis of various transport options undertaken (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	--	Lifecycle financial analysis of various transport options undertaken.	Lifecycle financial analysis of various transport options undertaken.	Lifecycle financial analysis of various transport options undertaken.
Date	14-Dec-2010	24-Nov-2014	24-Nov-2014	30-Jun-2016

▸ Comp 2 - Policy, regulatory, enforcement, institutional and financial frameworks established (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	--	Policy, regulatory, enforcement, institutional and financial frameworks established.	Policy, regulatory, enforcement, institutional and financial frameworks established.	Policy, regulatory, enforcement, institutional and financial frameworks established.
Date	14-Dec-2010	24-Nov-2014	24-Nov-2014	30-Jun-2016

▸ Comp 2 - Detailed implementation plans prepared (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	--	Detailed implementation plans prepared.	Detailed implementation plans prepared.	Detailed implementation plans prepared.
Date	14-Dec-2010	24-Nov-2014	24-Nov-2014	30-Jun-2016

▸ Comp 2 - Intelligent Transport System (ITS) conceptualized (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	--	Intelligent Transport System (ITS) conceptualized.	Intelligent Transport System (ITS) conceptualized.	Intelligent Transport System (ITS) conceptualized.
Date	14-Dec-2010	24-Nov-2014	24-Nov-2014	30-Jun-2016

▸ Comp 2 - Op. & mgmt plans.Transitional arrangements for theadvancement from strategic planning to operational level planning andimplementation, including phasing of greentransport delivery concu (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0	Op. & mgmt plans.Transitional arrangements for the advancement from strategic planning to operational level planning and implementation, including phasing of greentransport delivery concu	Op. & mgmt plans.Transitional arrangements for the advancement from strategic planning to operational level planning and implementation, including phasing of greentransport delivery concu	Op. & mgmt plans.Transitional arrangements for the advancement from strategic planning to operational level planning and implementation, including phasing of greentransport delivery concu
Date	14-Dec-2010	24-Nov-2014	24-Nov-2014	30-Jun-2016

▸ Comp 3 - Space heating/cooling energy efficiency level of the pilot green buildings. NB3 (Pilot public housing) (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	70.00	70.00	70.00
Date	14-Dec-2010	24-Nov-2014	24-Nov-2014	30-Jun-2016

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▸ Comp 3 - Space heating/cooling energy efficiencylevel of the pilot green buildings. NB3 (Pilot middle school NB4) (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	100.00
Date	14-Dec-2010	24-Nov-2014	24-Nov-2014	30-Jun-2016

▸ Comp 3 - Renewable energy share of the pilot green buildings (Pilot public housing) (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	60.00	60.00	60.00
Date	14-Dec-2010	24-Nov-2014	24-Nov-2014	30-Jun-2016

▸ Comp 3 - Renewable energy share of the pilot green buildings (Pilot middle school) (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	60.00
Date	14-Dec-2010	24-Nov-2014	24-Nov-2014	30-Jun-2016

▸ Comp 3 - Incremental annual energy savings and GHG reduction (Pilot public housing, Mwh) (Megawatt hour(MWh), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	3319.00	3319.00	3319.00
Date	14-Dec-2010	24-Nov-2014	24-Nov-2014	30-Jun-2016

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▸ Comp 3 - Incremental annual energy savings and GHG reduction (Pilot public housing, tCO2e) (Metric ton, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2425.00	2425.00	2425.00
Date	14-Dec-2010	24-Nov-2014	24-Nov-2014	30-Jun-2016

▸ Comp 3 - Incremental annual energy savings and GHG reduction (Pilot Middle School, Mwh) (Megawatt hour(MWh), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	--	0.00	0.00	2134.00
Date	14-Dec-2010	24-Nov-2014	24-Nov-2014	30-Jun-2016

▸ Comp 3 - Incremental annual energy savings and GHG reduction (Pilot Middle School, tCO2e) (Metric ton, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	707.00
Date	04-Dec-2010	24-Nov-2014	24-Nov-2014	30-Jun-2016

▸ Comp 3 - Percentage of the buildings exceeding the energy efficient standards of the current GBES of SSTEC (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	30.00	30.00	25.00
Date	14-Dec-2010	24-Nov-2014	24-Nov-2014	30-Jun-2016

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▸ Comp 3 - Revision of SSTEC GBES and its detailed guidelines (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0	GBES and guidelines revised	GBES and guidelines revised	GBES and guidelines revised
Date	14-Dec-2010	24-Nov-2014	24-Nov-2014	30-Jun-2016

▸ Comp 3 - Regulatory, incentive and awareness campaign measures promoting replication of the new technologies (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0	Regulatory, incentive and awareness campaign measures promoting replication of the new technologies.	Regulatory, incentive and awareness campaign measures promoting replication of the new technologies.	Regulatory, incentive and awareness campaign measures promoting replication of the new technologies.
Date	14-Dec-2010	24-Nov-2014	24-Nov-2014	30-Jun-2016

Overall Comments

Data on Financial Performance

Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	Disbursed
P098915	TF-97018	Effective	USD	6.16	6.16	0.00	4.30	1.87	70%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P098915	TF-97018	Effective	25-Sep-2010	25-Sep-2010	14-Dec-2010	30-Jun-2016	30-Jun-2016

Cumulative Disbursements

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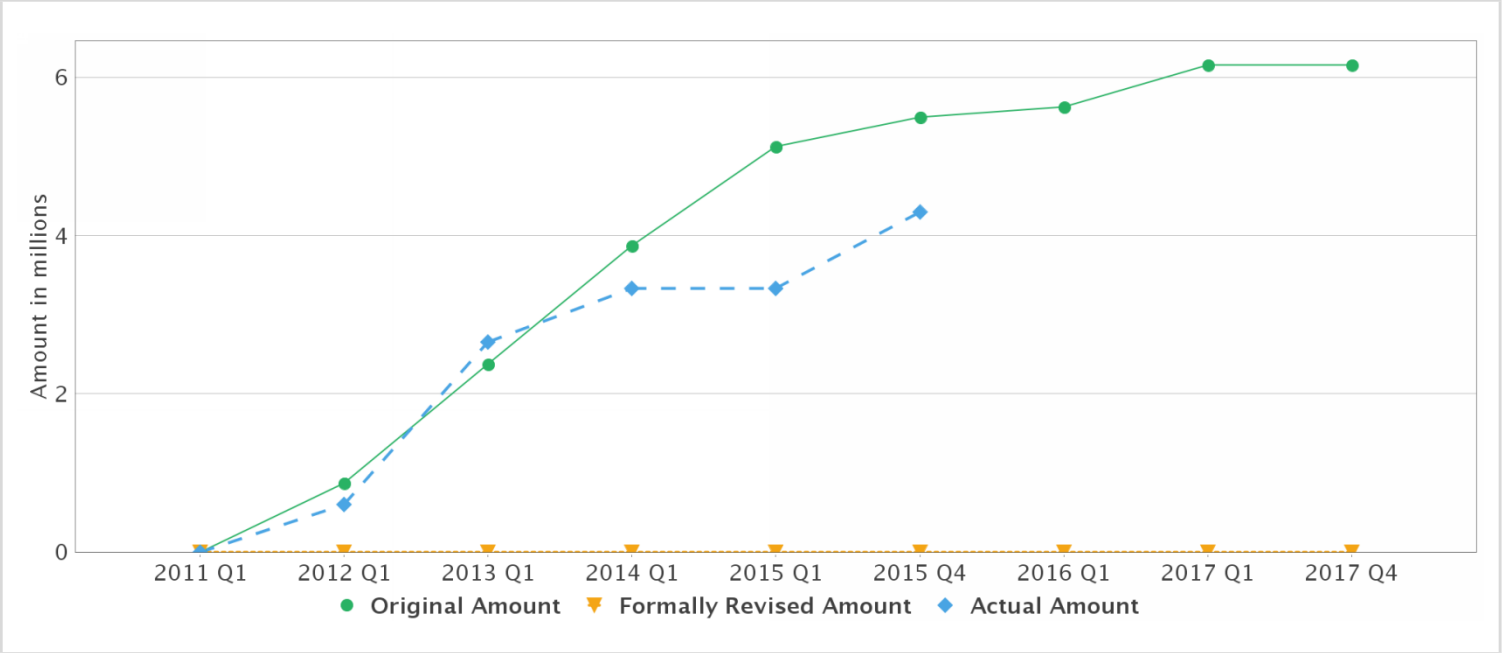

Restructuring History

Level Approved on 17-Apr-2013 ,Level 2 Approved on 04-Dec-2014

Related Project(s)

There are no related projects.