

General Office of Ministry of Transport: Announcement of the First LNG Pilot Demonstration Projects in Water Transport Industry

In order to thoroughly substantiate the requirements for launching the LNG pilot demonstration work of “Guiding Opinions of Ministry of Transport on the Promotion of LNG Application in the Water Transport Industry” (Jiao Shui Fa [2013] No. 625), further implement the application of LNG fuel in the water transport industry, procure the energy-saving and remission-reducing promotion in the water transport industry, and expedite the “green” water transport construction based on the “Program of Implementing the Pilot Demonstration for LNG Application in the Water Transport Industry”, the screened list of the first pilot demonstration projects for LNG application in the water transport industry is hereby announced.

I. List of Pilot Projects (totaling 7 projects)

Serial No.	Project Name	Organizer	Content of Pilot Program	Date of Implementation
1	Integrated Pilot Project of China National Foreign Trade Transportation for Marine LNG Application To Major Ship Models for The Trunk Line of Yangtze River	China National Foreign Trade Transportation (Group) Corporation	(1) New construction of 2 inland LNG fuel powered ships; (2) Package pilot construction of LNG station and LNG loading/unloading pier in Huanggang, Hubei; (3) Pilot construction of the shore LNG refueling station for land/marine purpose in Yichang, Hubei; (4) Provision of support for the launch of relevant specifications of technical standards.	2014-2016

2	CNOOC Pilot Project of LNG Application for Coastal Water Transport	China National Offshore Oil Corporation	<p>(1) Construction of five 5000HP(1800 deadweight tonnage) LNG fuel powered PSV;</p> <p>(2) Construction of four LNG fuel powered harbor towboats for use at the coastal LNG loading/unloading pier; (3) Construction of One LNG powered ship of 30,000 cubic meters as a transportation ship and refueling ship.</p>	2014-2016
3	Zhejiang Zhoushan International Marine LNG Refueling Station Pilot Project	ENN Energy Holdings Ltd.	<p>(1) Construction of coastal and offshore marine LNG refueling station, which forms the refueling technology with independent intellectual property; (2) Provision of support for the launch of relevant specifications of technical standards.</p>	2014-2016
4	Pilot Project of Inland Mobile LNG Refueling Ship	<p>Xuzhou ENN Clean Energy Co., Ltd.</p> <p>China Yangtze Fuel Oil Corporation</p> <p>Dalian Yuchai Energy Co., Ltd.</p>	<p>(1) Respective R & D for constructing one inland mobile LNG refueling ship according to the related pilot standards and requirements; (2) Provision of support for the launch of relevant specifications of technical standards.</p>	2014-2016

5	Pilot Project of China Yangtze for Constructing Barge-type “Combination of Oil and Gas” LNG Refueling Station for the Trunk Line of Yangtze River	China Yangtze Fuel Oil Corporation	(1) Construction of two Barge-type “Combination of Oil and Gas” LNG Refueling Stations; (2) Provision of support for the launch of relevant specifications of technical standards.	2014-2016
6	Integrated Pilot Project of LNG Application to Water Transport in Danjiang Kou Reservoir Zone - Water Head Site of Kunlun Energy South-to-North Water Diversion	Kunlun Energy 长航 (Wuhan) Natural Gas Co., Ltd.	(1) New construction of three LNG fuel powered ordinary ships; (2) New construction of two LNG fuel powered stake boats; (3) Construction of one coastal LNG refueling station.	2014-2016
7	Shore LNG Refueling Station and LNG Transshipment Pilot Project of ENN Energy at the Midstream and Downstream of Yangtze River	ENN Energy Holdings Limited	(1) Pilot construction of one shore LNG refueling station for the trunk line of Yangtze River; (2) Exploration of inland shore LNG refueling station coupled with LNG transshipment function; (3) Research for proposing the standards of marine LNG refueling service for the trunk line of Yangtze River.	2014-2016

II. List of Demonstration Projects (totaling 6 projects)

Serial No.	Project Name	Organizer	Content of Pilot Program	Date of Implementation
1	Shanghai International Port Demonstration Project of LNG Application	Shanghai International Port (Group) Co., Ltd.	(1) Construction of one vehicle LNG refueling station; (2) Pilot launch of LNG application to the mobile crane; (3) LNG application to 200 container trucks (50 trucks during the preliminary launch)	2014-2016
2	Demonstration Project for LNG Application of Lian Yun Gang Port	Lian Yun Gang Port Co., Ltd.	(1) Construction of three vehicle LNG refueling stations; (2) Purchase of 100 LNG fuel powered vehicles, as well as machinery and equipment; (3) Launch of research and retrofit for LNG application to harbor engineering crafts.	2014-2016
3	Demonstration Project for LNG Application for the trunk line (Guangxi Section) of Xijiang	Guangxi Xijiang Investment Group Co., Ltd.	(1) New construction of 100 LNG fuel powered ordinary cargo vessels; (2) Package construction of one marine LNG refueling station; (3) Construction of the integrated management information system f	2014-2016

			<p>or the marine LNG application for the trunk line of Xijiang; (4) Formation of standards for the marine LNG refueling service for the trunk line of Xijiang; (5) Lay the foundation for forming the guidelines of safety regulation for marine LNG application in respect of the trunk line of Xijiang in Guangxi; (6) Explore the measure of letting the LNG fuel powered ships pass the ship lock on priority on the trunk line of Xijiang and submit the verification report.</p>	
4	Demonstration Project of LNG Application to the Water Transport in Chuanjiang and the Three Gorges Reservoir Zone	Kunlun Energy Chongqing Chuan Gang Gas Co., Ltd.	<p>(1) New construction of LNG fuel powered ships: five law enforcement ships, five engineering ships, forty-five bulk cargo ships, five container ships, and two roll-on/roll-off ships, in cooperation with Chongqing Shipping (Group) Co., Ltd. and Minsheng Shipping Co., Ltd. ; (2) New construction of one mobile LNG refueling ship according to the relevant pilot requirements; (3) New constructi</p>	2014-2016

			<p>on of one shore LNG refueling station;</p> <p>(4) Construct the integrated management information system for the LNG application to the water transport in the Three Gorges Reservoir Zone; (5) Research and exploration of the proposal for LNG fuel powered ships to pass the ship lock at the Three Gorges.</p>	
5	<p>Demonstration Project of LNG Application to the Water Transport at the Jiangsu Section of the Trunk Line of Yangtze River</p>	<p>Jiangsu Overseas Towngas China Company Limited</p> <p>Jiangsu Runxiang Gaoqiao Port Co.</p>	<p>(1) Construct one barge-type LNG refueling station at the coast of Yangtze River - construct one mobile refueling ship according to the relevant pilot standards; (2) New construction of 100 LNG fuel powered ordinary cargo ships in cooperation with Nanjing Chunyuan Shipping Limited, Jiangsu Dajin Heavy Industry Limited and Zhenjiang Municipal Ship Inspection Bureau; (3) Construct one shore LNG refueling station, coupled with simultaneous function of land warehouse storage for transshipment.</p>	2014-2016

6	CNOOC Demonstration Project of LNG Application to the Inland Water Transport Industry	CNOOC Gas & Power Group	(1) New construction of 100 LNG fuel powered ordinary cargo ships in cooperation with Zhejiang Ji'an County Yuanya Transportation Limited and 广州市柏福莱海运公司; (2) Package construction of two shore LNG refueling stations.	2014-2016
---	---	-------------------------	---	-----------

III. List of Demonstration Zone Projects (totaling three projects)

Serial No.	Project Name	Organizer	Major Participant	Content of Demonstration Zone	Date of Implementation
1	Integrated Demonstration Zone of LNG Application in Shenzhen Port	Transport Commission of Shenzhen Municipality)	(1) China Merchants International Shekou Container Terminal Ltd. (2) China Merchants International Chiwan Container Terminal Co., Ltd. (3) Yantian International Container Terminals Ltd. (4) Shenzhen Dachan Bay Modern Port Development Co., Ltd. (5) CNOOC YG Energy Co., Ltd.	(1) Package construction of one marine LNG refueling station in line with the proactive launch for the port with the new construction of LNG fuel powered towboats; (2) Pilot construction of one international marine LNG refueling station; (3) Package construction of six vehicle LNG refueling stations in the port zone, with 500 vehicles using LNG in the port and proactive promotion for LNG application to machinery and equipment; (4) Pilot construction of one LNG power station in the port zone (Western Shenzhen) to replace the power supply at the shore to ships anchored in the port; (5) Construct the integr	2014-2016

				<p>ated management information system for the LNG application in the port zone, and establish the platform to monitor energy saving and remission reduction; (6) Provision of support for the launch of relevant specifications of technical standards (7) Through the demonstration, 50% of vehicles in the entire port use LNG power; (8) Systematic conclusion of the construction experience in the demonstration zone to provide the reference for other ports.</p>	
2	<p>Integrated Demonstration Zone of LNG Application to the Water Transport at the Jiangsu Section of Jing Hang Canal</p>	<p>Jiangsu Provincial Communications Department</p>	<p>(1) Local Maritime Bureau of Jiangsu Province (2) Jiangsu Hongyun Green Energy Co., Ltd. (3) Jiangsu Blue Marine Power Co., Ltd.</p>	<p>(1) New construction of 300 LNG fuel powered ships; (2) Construct two shore LNG refueling station; (3) Construct the integrated management information system of the marine LNG application for Jing Hang Canal; (4) Form the marine LNG refueling service for Jing Hang Canal in Jiangsu Province; (5) Form the guidelines of safety regulation for marine LNG application in respect of Jing Hang Canal</p>	<p>2014-2016</p>

				in Jiangsu Province; (6) Explore the measure of letting the LNG fuel powered ships pass the ship lock on priority on Jing Hang Canal in Jiangsu Province and submit the verification report.	
3	Integrated Demonstration Zone of LNG Application to the Water Transport of Wanjiang and Chaoahu in Anhui	Port Management Bureau of Anhui Province	(1) ENN Energy Holdings Limited (2) Anhui Jiarun Power Co., Ltd. (3) Huaiqiang Natural Gas Development Co., Ltd. (4) Ma An Shan Hongyun Green Energy Co., Ltd.	(1) New construction of 300 LNG fuel powered ordinary cargo ships; (2) Package construction of one LNG refueling station in Chaoahu; (3) New construction of the integrated marine LNG services center (incorporating LNG refueling, repair and maintenance, as well as personnel training in respect of fuel powered ships) in Chizhou; (4) Establish the integrated management information system for marine LNG application in Anhui; (5) Form the standards of marine LNG refueling service for the trunk line of Yangtze River; (6) Form the guidelines of safety regulation for marine LNG application in Anhui Province	2014-2016