

## **ENERGY PRACTICE HIGHLIGHTS**

### POWER GENERATION / TRANSMISSION LINES

- Infraestructura Energética Nova, in the US\$852m acquisition of the largest wind farm projects in Mexico, Ventika I and Ventika II, from Fisterra Energy, a Blackstone company (NYSE:BX)
- Mexico Power Group (Anglo-American private equity group) in the renewables joint venture with First Reserve for the US\$215m financing to build the 130MW “La Bufa” wind farm in Zacatecas, Mexico
- Dhamma Energy Management in the sale of two of its Mexican subsidiaries, Tampico Solar and Proteus Solar to SunPower Corporation Mexico
- Telefónica as offtaker in a Power Supply Agreement (PSA) entered into with BAS Project Corporation, El Rollo Solar, and Juarez Renovables
- First Reserve in its US\$55m acquisition of a 49% participation and investment in Desarrollos Eólicos Mexicanos de Oaxaca 1 and 2, affiliates of Renovalia Energy, and owners and developers of the “Piedra Larga I” and “Piedra Larga II” wind farm projects located at the state of Oaxaca
- Proyecto CCC Empalme I in the public bid process to be awarded with a US\$476m public financed works contract with CFE for the engineering, procurement, construction and start-up of a 770MW Combined Cycle Plant to be located in Sonora
- The Chemours Company México in the implementation of comprehensive regulatory models and construction of a 115 KV three-breaker-ring switchyard and network
- EIG Global Energy Partners in their strategic alliance with Abengoa for the financing, construction and development of a US\$2b energy/power generation portfolio, comprised initially of 5 projects in México, Brazil and Chile
- Korea Electric Power Corporation, Samsung C&T Corporation and Techint in the execution of a 25-year PPA with the CFE for the construction and operation of the Norte II 433MW combined cycle power plant in Chihuahua
- SENER in a US\$252m financing for the construction of a 394 MW combined cycle power generation facility for the Federal Electricity Commission
- Senermex Ingeniería y Sistemas in a US\$122m EPC contract for the construction of a 142MW cogeneration plant to be located in Coatzacoalcos, Veracruz for Afranrent (a Cryoinfra subsidiary)
- Cogeneración Complejo Pajaritos (a joint venture company of Senermex Ingeniería y Sistemas, OHL Industrial, and IEPI México) in the execution of an approximately US\$45m EPC Contract for a cogeneration plant for CYDSA
- KST Electric Power Company, Korea Electric Power Corporation, Samsung C&T Corporation and Techint in the US\$450m financing by The Export-Import Bank of Korea, Crédit Agricole, Sumitomo-Mitsui, Scotiabank and West LB, for the construction of the largest Korean-sponsored power plant ever developed in Latin America. This deal was named “Latin American Power Deal of the Year” by Project Finance Magazine
- SCS Proyectos (a joint venture company of Senermex and Schrader Camargo Construcciones) in a US\$130m EPC contract for the construction of a 85 MW cogeneration plant to be located in Veracruz, Mexico
- Samsung and KEPCO, in their participation as bidders with the CFE for a 294MW combined-cycle gas-turbine power plant to be built in Baja California Norte

- Japan Bank for International Cooperation (JBIC), Calyon and Citigroup in a US\$1.4b financing for an international consortium bid to purchase power plants and assets of Electricité de France (EDF) in Mexico
- Japan Bank for International Cooperation (JBIC) in a US\$600m financing to Mitsubishi Corporation for the construction of a 648MW coal-fired power generation plant tendered by the Federal Electricity Commission
- Cogeneración Complejo “Pajaritos” (a Mexican joint venture company of Senermex Ingeniería y Sistemas, OHL Industrial, and OHL Industrial México) in an Operation and Maintenance Agreement for a cogeneration plant to be located in Coatzacoalcos, Veracruz, Mexico
- Abengoa México in a US\$53m financing from Bankia for the construction and installation of 200 kms of a 400 kV transmission line and two 230 kV substations for the Federal Electricity Commission
- Interger in the development of a 280MW thermoelectric power plant located in San Luis de la Paz, Guanajuato
- Abengoa México in the construction and installation of more than 110 kilometers of 115 kV transmission lines and substations for the Federal Electricity Commission
- Unión Fenosa in the International Public Bid called by the CFE for the design, construction, operation and maintenance of a 250MW plant in Hermosillo, Sonora
- Abengoa México in a US\$52m financing from Caja de Ahorros y Monte de Piedad de Madrid for the construction and installation of 170 km of 400kV and 230kV transmission lines and two substations for the Federal Electricity Commission
- A group of Mexican investors in the purchase of Generadora Electrica San Rafael (owned by EDF Energies Nouvelles), the developer of a two-12MW-turbine hydroelectric power generation plant in Nayarit
- CFE in several electricity production and transmission projects, including:
  - Rosarito III 450MW power plant (BLT)
  - Monterrey 450MW power plant (BLT)
  - Merida III 484MW power plant (PPA)
  - Rio Bravo 405-495MW power plant (IPP)
  - Hermosillo 225MW power plant (IPP)
  - Transmission lines and substations interconnected to the National Transmission Network (Red Nacional de Transmision) (BLT)
- Sempra Energy International in the project for the design, engineering, construction and operation of a 500MW merchant power plant in Mexicali for export of electricity to the United States
- Sener Ingeniería y Sistemas in a project awarded by the CFE for the design, engineering and construction of a 394.1MW combined cycle power generation facility in Agua Prieta, Sonora
- Constructora Eléctrica del Caribe (a subsidiary of Mitsubishi Corporation) in the bidding process and the design, financing, installation, operation and management of submarine and underground power transmission lines for the “Playa del Carmen-Chancanab” and “Balam-Poktapok” projects, in the Yucatan Peninsula
- Hidrobenz and Hidrosina in their acquisition from Wärtsila of a 50% interest in Energía y Agua Pura de Cozumel, owner of a 24MW heavy fuel oil fired power plant in Cozumel, Quintana Roo



- Constructora Geotermoeléctrica del Pacífico (a subsidiary of Mitsubishi Corporation) in the bidding process and the design, financing, operation and management of a 100MW combined cycle electric plant in Mexicali
- ICA, La Nacional and Energo, in CFE's "El Cajón" hydroelectric project
- Andrade Gutierrez and MCN Energy Group, in their joint venture for the design, financing, construction, operation and maintenance of a 24MW hydroelectric plant in San Rafael, Nayarit
- Norelec del Norte (a subsidiary of Mitsubishi Corporation) in the bidding process and the design, financing, installation, operation and management of a 450MW power plant located in Chihuahua
- BankBoston in the execution of a Guarantee Trust Agreement related to the natural gas extraction mobile facility of PEMEX Exploración y Producción located in Cantarell, in the Gulf of Mexico
- Electricidad Aguila de Tuxpan (a subsidiary of Mitsubishi Corporation) in the financing for the construction of a 450MW IPP power plant in Tuxpan, Veracruz
- Constructora Andrade Gutierrez in a joint venture with Sulzer Hydro and ABB, for the financing, construction, operation and maintenance of a 24MW hydroelectric plant at Santa María, Panamá
- Burmeister & Wain Scandinavian Contractor (subsidiary of Mitsui Engineering & Shipbuilding Co. Ltd.), in the bidding process for the design, engineering, construction and operation of a 40MW diesel engine power plant in La Paz, Baja California Sur
- El Paso Electric Company in several winning bids for the sale/export of firm capacity and associated energy from its El Paso, Texas generation facilities to plants of the CFE in Ciudad Juárez, Chihuahua
- Constructora Kepler in an EPC agreement with Electricité de France for a 495MW power plant for the Rio Bravo III project of the CFE
- Termoeléctrica de Mexicali in the EPC contract with ICA-Flour Daniel for the construction of a 500MW merchant power plant in Mexicali, Baja California
- Abengoa México in a US\$19m financing from Caja de Ahorros y Monte de Piedad de Madrid, for the execution of works for the construction and installation of two 115kV transmission lines and six distribution substations and related high-voltage feeders, for CFE power plants located in Sinaloa and Sonora
- Illinova Generating Company in its strategic alliance with Constructora Andrade Gutierrez and Entec, for the financing, design, construction, operation and maintenance of 3 hydroelectric plants for the generation of electricity under self-supply structures
- Termoeléctrica de Mexicali in the negotiation of a lump sum turnkey EPC contract for the construction of a 230kV transmission line to an interconnection point in the Mexico-U.S. border
- El Paso Electric Company in its negotiations to sell energy to the CFE and also in connection with the expansion and reinforcement of interconnection systems between the company and the CFE
- Keptic (a joint venture between Constructora Kepler and TIC) in an EPC agreement with TransAlta to build a 300MW combined cycle power generation plant for the Chihuahua III project in Samalayuca, Chihuahua

PIPELINES

- TAG Norte Holding, as borrower, Ductos y Energéticos del Norte and PMI Holdings as sponsors, in the US\$1.47b financing (including Senior and VAT facilities) for the 454 km Los Ramones Phase II-Norte Gas Pipeline Project. This deal was recognized as the Project Finance Deal of the Year (2014) by Latin Lawyer
- PEMEX, PGPB (TAG) and PMI International, as sponsors, in the approximately US\$1.1b project for the development, construction, financing, operation and ownership of the approximately 287 kms Los Ramones Phase II-South natural gas transportation pipeline, which is being developed in association with GDF. This deal was named “Americas Oil and Gas Deal of the Year” for 2014 by Thompson Reuters
- Ductos El Peninsular, a joint venture of Hidrosina, PMI Comercio Internacional (a PEMEX subsidiary) and Trafigura, in the development, construction, financing, operation and ownership of a 350km pipeline project and related storage facilities, for transportation of gasoline, diesel and lubricants in the Yucatán Peninsula
- Hidrobenz, PMI Comercio Internacional and Trafigura, as sponsors in the development, construction, financing and operation of an ongoing US\$650m project consisting of 2 pipelines, one of 350 kms and the other of 250 kms and related storage facilities, for the transportation of gasoline, diesel and lubricants in the southern part of Mexico
- SENER/Bonatti consortium, as EPC contractors, in a US\$85m EPC contract for the construction of the 114 kms Los Ramones Phase I natural gas transportation pipeline for Gasoductos del Noreste
- PMI Comercio Internacional, in a joint venture to operate 2 pipelines to deliver fuel oil from a land plant to a marine terminal and vice versa, as well as storage and management operations
- Sener Ingenieria y Sistemas in a US\$170m EPC contract for a 117 kms pipeline and compression stations for Gasoductos del Noroeste
- Key Enterprises in the execution of a Trenching Agreement with the French and Spanish consortium formed by Dragados-Auxini Internacional de Pipelines and Entrepose-Montalev, for the construction of approximately 300 kms for the laying of the Maghreb-Europe Gas Line to transport natural gas from Morocco to Europe through the Strait of Gibraltar
- Sempra Energy Mexico in its Gasoducto Baja Norte project consisting of the construction and operation in Northern Mexico of a 135 mile pipeline that would transport up to 650m cfpd of natural gas from an international connection point to the northern region of Baja California
- Gasoducto Rosarito in the design, construction, operation and maintenance of a transportation system to supply natural gas to the CFE Presidente Juárez power plants in Rosarito, Baja California
- HSBC Mexico in a financing to Tradeco Infraestructura for the construction of 3 separate gas pipelines between drilling rigs in the Gulf of Mexico, for PEMEX Exploración y Producción
- Abengoa México in the US\$650m “El Zapotillo” pipeline water project, tendered and constructed under a PPP scheme by the National Waters Commission of México (CONAGUA) in Jalisco and Guanajuato
- DMGP (a consortium formed by Mexssub, Diavaz, Penspen and Greystar) in the development of a US\$1.3bn pipeline transportation system for PEMEX Exploración y Producción in Tabasco

- Marubeni, Williams, Wood Group and Mexssub as bidders for rendering pipeline transportation and safety services to PEMEX Exploración y Producción

## OIL & GAS

- Tesoro Mexico, an affiliate of Andeavor (formerly Tesoro Corp.) Texan oil refiner, in the pre-qualification process and awarding of Pemex's total storage and transport capacity in northwest Mexico auctioned in the first Open Season, including the negotiation and execution of relevant agreements with Pemex Logística
- Jaguar Exploración y Producción de Hidrocarburos, in the prequalification process of International Public Bid "Ronda 2.3", called by the National Hydrocarbons Commission, and awarding of 5 tendered onshore E&P blocks in various locations in Mexico
- Jaguar Exploración y Producción de Hidrocarburos and a Canadian partner, in the prequalification process of International Public Bid "Ronda 2.2", called by the National Hydrocarbons Commission, and awarding of tendered hydrocarbon blocks in Mexico for E&P activities
- Schlumberger in the full acquisition of onshore oil field Pánuco, located in the coast of the Gulf of Mexico, from its former contract partner Petrofac (British oil and gas service provider)
- Enermex, as supplier, in the execution of a long-term fuel supply agreement for up to 400,000 bpm of gasoline and diesel entered with a large service station group with presence in Mexico's western area
- PEMEX Transformación Industrial in the US\$597m sale-leaseback transaction and financing of its ultra-low sulfur gasoline units in the Madero Refinery to First Reserve
- PEMEX Exploración y Producción, in the US\$2.1b financial sale and leaseback transactions with affiliates of Kohlberg Kravis Roberts & Co, of 15 infrastructure and production assets located in the Gulf of Mexico. *This deal was shortlisted as Private Equity Deal of the Year (2016) by Latin Lawyer, as well as shortlisted as Private Equity Deal for the 2017 Americas Awards by IFLR*
- Citla Energy, an independent Mexican oil exploration and production company, in a US\$200m investment by the International Finance Corporation (IFC) and a Chinese-Mexican private equity fund managed by the IFC
- Jaguar Exploración y Producción de Hidrocarburos and The Blackstone Group in their pre-qualification and presentation of their joint bids as a Consortium in International Public Bid "Round 1.3", called by the National Hydrocarbons Commission for the award of E&P license agreements of 25 oil fields
- Grupo México in a US\$275m syndicated credit facility arranged by HSBC and Citigroup, to finance the acquisition of two 400ft jack-up rigs and two modular rigs to be leased to PEMEX for the performance of E&P activities in the Gulf of Mexico
- ING, Mizuho, CitiBank, Crédit Agricole, La CaixaBank, Sabadell, Banamex, and BBVA Bancomer, in the US\$300m acquisition financing to Vopak and EneGas to purchase the Altamira II LNG regasification facility in Tamaulipas, owned by Shell, Mitsui and Total
- Grupo Mexico and Perforadora México, in a USD\$127m financing by INBURSA, for the acquisition of the "Zacatecas" jack-up drilling rig leased by PEMEX Exploración y Producción
- PMI Services North America in the development of a cross-border pipeline project to transport diesel and gasoline from a refinery in Texas to a PEMEX Storage Facility in Cd.



- Juarez, including obtaining a Presidential Permit to cross the Rio Grande (Rio Bravo) and the approvals of the International Boundary and Waters Commission (IBWC/CILA)
- ExxonMobil in the restructuring of its corporate and contractual arrangements regarding its participation in the Mexican gasoline service stations market
  - Baker Hughes with respect to the acquisition of a fluid operations plant in Mexico, including the assignment of the rights and obligations arising out of certain licenses to use federal sea and land zones
  - Pacific Rubiales as bidder with PEMEX Exploración y Producción for “Incentivized Contracts” for the exploration and production of the Carrizo, Magallanes and Santuario oil fields
  - Hidrosina, one of the largest franchisees of the PEMEX Service Stations Franchise, in connection with the sale and distribution of gasoline and lubricants throughout Mexico
  - Hidrosina in its negotiations to buy-out ExxonMobil of its participation in a strategic alliance between both parties in the area of service stations
  - Perforadora Mexico in a US\$140m refinancing funded by INBURSA, for the acquisition of the drilling rig type Hull 106 “Chihuahua”, leased by PEMEX Exploración y Producción
  - Sener Ingeniería y Sistemas and Senermex in their joint venture with OHL Industrial, for the execution of a US\$82m EPC public works contract for the development, supply, installation and start-up of a 35MW turbo-generator for the Francisco I. Madero PEMEX refinery
  - BP in its corporate and contractual arrangements regarding its participation in the Mexican gasoline market
  - BP Air (a subsidiary of BP) regarding the legal implications of entering into the sale and distribution of BP Air’s products to the Mexican aviation industry
  - Marubeni and Duke Energy as bidders for rendering services to PEMEX Gas y Petroquímica Básica, under a 20-year-agreement to build and operate a 300MW cogeneration power facility at the Nuevo PEMEX natural gas complex. The project involved securing financing of US\$400m
  - Mitsubishi Heavy Industries in its joint-venture with Techint, Black & Veatch and Vinci for the construction of the US\$400m Costa Azul LNG regasification plant in Ensenada, Baja California
  - PEMEX Refinación in the analysis of failures by the contractor to meet obligations under a US\$2.5b agreement to build public works entered into with CONPROCA, for the expansion and upgrading of a refinery
  - Mexican Ministry of Energy (SENER) and PEMEX in the drafting of new administrative Contracting and Bidding Guidelines approved by the PEMEX Board of Directors
  - Sempra Energy International in its natural gas transportation and distribution projects in Mexico, including its winning bids for 3 distribution permits (in Durango, Chihuahua and Mexicali) and 2 transportation permits (in Baja California) granted by the CRE
  - PEMEX Gas y Petroquímica Básica to implement legal solutions to resolutions issued by the Mexican Antitrust Commission affecting its participation in several gas transportation and commercialization projects through Gasoductos de Chihuahua (Natural Gas Project Burgos-Monterrey) and Gasoductos de Tamaulipas (LPG Project San Fernando) and their impact on future gas projects to be developed
  - Distribuidora de Gas Natural de Mexicali in the negotiation with Socal Gas of a TSA for the transportation of up to 252,000 therms per day to distribute natural gas in the Mexicali Geographic Zone
  - Pacific Enterprises, Enova Corporation, Próxima Gas and Corporativo San Angel in their strategic alliance and participation in the International Public Bid called by the CRE for

the granting of the first permit for the distribution of natural gas in the Toluca Geographic Zone

- Enova International and Unión Fenosa in their alliance to participate in the International Public Bid called by the CRE for the granting of a permit to distribute natural gas in the Monterrey Geographic Zone and the purchase of 2,500 miles of pipeline owned by the CFE
- Baker Hughes in numerous service contracts and international bids with PEMEX Exploración y Producción
- TransCanada, in a long-term natural gas transportation contract tendered by the CFE to meet the demand of the Yucatán Peninsula (Gasoducto Mayakán)

### PETROCHEMICALS

- PEMEX Petroquímica in its historic Pesos \$5b joint venture with Mexichem for the development of the Mexican petrochemical industry by integrating the salt–chlorine/soda–ethylene–vinyl chloride monomer production lines and facilities at the “Pajaritos” petrochemical complex
- Pro-Agroindustria (a subsidiary of PMI International) in the negotiation of a US\$200m EPC contract under an open book basis, for the modernization of a fertilizer plant located at the Complejo Pajaritos
- HSBC, Santander, BBVA, Citigroup, JP Morgan, BofA-Merrill Lynch and others in a US\$1b syndicated financing facility to Mexichem
- Petro-Pinsa in its US\$1b joint-venture with Proman AG for the development, construction and operation of a 2,200 mtpd Ammonia Plant in Sinaloa, Mexico through Gas y Petroquímica de Occidente

### ENVIRONMENT, WATER & NATURAL RESOURCES

- InterGen in the development of a 1.3bn cfpd natural gas compression station in Altamira, Tamaulipas
- DuPont in obtaining key infrastructure and water permits to build an aqueduct of 22 kms in Altamira, Tamaulipas to conduct water to DuPont’s Titanium Plant and construct the wastewater discharge infrastructure in the Gulf of Mexico.
- InterGen in environmental and social assessments and the Community Relations Plan of the 280MW gas fired Combined Cycle Power Plant in San Luis de la Paz and the Altamira Compression Station
- Mitsubishi Corporation in the purchase of a 395MW wind farm in Oaxaca, Mexico
- GDF Suez in the development of a new private power generation facility to provide electric energy to several industrial plants in the Altamira API port terminal
- Banorte and a syndicate of banks in the MXP\$850m senior financing facility to Renova Atlatec for the construction of the Agua Prieta PPP Water Treatment Plant project
- Empresas Públicas de Medellín in the tender to acquire 3 separate sewage treatment facilities serving diverse municipalities in Mexico
- Mitsubishi Corporation and GDF Suez North America in the international public bid of a 300MW IPP Project in Baja California

- InterGen in the development of a 280MW gas fired combined cycle power plant in San Luis de la Paz, Guanajuato
- Electricidad Aguila de Tuxpan, in successful claims before the Mexican Government concerning payment of an aggregate US\$15m in federal fees for the use of Mexican National Assets
- EMCOSE in the regularization of its cogeneration facility to supply thermal energy and electricity to one of the largest bottling groups in Mexico
- Dupont, in the development of the legal environmental strategy to ensure the approval and timely completion of an expansion project to an existing productive plant
- Keppel Seghers, in the performance of development feasibility studies to build a utility scale wastewater treatment plant for the use of treated water in petroleum refining processes
- Termoeléctrica Peñoles in tax review processes initiated by the National Waters Commission (CONAGUA) regarding underground water exploitation

#### DISPUTE RESOLUTION

- PEMEX Refinación in an arbitration before the ICC and the negotiation of a US\$600m settlement in connection with a controversy with a major supplier
- Alstom Power Centrals and Alstom Power Mexico in an arbitration before the ICC and various Mexican authorities concerning claims relating to the construction of a coke-fired electric power plant in Tamuin, Mexico
- PEMEX regarding various actions filed in the United States and in Spain, relating to the enforcement of the PEMEX trademark in such jurisdictions
- Castrol (a subsidiary of BP), regarding the enforcement of certain intellectual property rights, with respect to the sale of Castrol products in Mexico