



PROCOLOMBIA
EXPORTACIONES TURISMO INVERSIÓN MARCA PAÍS



INVESTMENT PROJECT IN ENERGY



COMPANY INFORMATION

COMPANY NAME : Energía de los Andes S.A.S E.S.P



PROJECT INFORMATION

NAME OF THE PROJECT: : Proyecto Hidroeléctrico del Río Ambeima

LOCATION OF THE PROJECT: Chaparral, Tolima.

INSTALLED CAPACITY: 45 MW



TYPE OF PROJECT

OIL AND GAS ☐

WIND ☐

SOLAR ☐

GEOTHERMAL ☐

HYDRO ☒

THERMAL ☐

OTHER:
XXXXXXXXXX

REGISTRATION IN UPME

YES ☒

NO ☐

STATUS: Stage 2



INVESTMENT OF THE PROJECT

TOTAL INVESTMENT OF THE PROJECT Approx. USD\$ 145 MM



ADDITIONAL COMMENTS

The Project is located in Chaparral, Tolima, a municipality considered a ZOMAC (most affected area by the armed conflict). Companies established in ZOMAC municipalities have corporate tax incentives. The investment required is for the construction and operational start-up of a power plant with a waterborne catchment system and the construction of the connection to the Grid line of 15 km to Tuluní Substation.



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INVESTMENT PROJECT IN ENERGY



COMPANY INFORMATION

COMPANY NAME : Energías del Río Chilí S.A.S



PROJECT INFORMATION

NAME OF THE PROJECT: Proyecto Hidroeléctrico del Río Chilí

LOCATION OF THE PROJECT: Roncesvalles, Tolima.

INSTALLED CAPACITY: 66 MW



TYPE OF PROJECT

OIL AND GAS

☐

WIND

☐

SOLAR

☐

GEOTHERMAL

☐

HYDRO

☒

THERMAL

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OTHER:
XXXXXXXXXX

REGISTRATION IN UPME

YES ☒

NO ☐

STATUS: Stage 2



INVESTMENT OF THE PROJECT

TOTAL INVESTMENT OF THE PROJECT Approx. USD\$ 201 MM



ADDITIONAL COMMENTS

The Project is located in Roncesvalle, Tolima, a municipality considered a ZOMAC (most affected area by the armed conflict). Companies established in ZOMAC municipalities have corporate tax incentives. The investment required is for the construction and operational start up of an energy run-of-the-river power plant and the construction of the connection to the Grid line of 45 km to Mirolindo Substation. The Project has the connection to the Grid approval from UPME.



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INVESTMENT PROJECT IN ENERGY



COMPANY INFORMATION

COMPANY NAME : Generadora Luzma E.S.P S.A.S



PROJECT INFORMATION

NAME OF THE PROJECT: Luzma I and Luzma II

LOCATION OF THE PROJECT: Amalfi, Antioquia.

INSTALLED CAPACITY: 39,8 MW



TYPE OF PROJECT

OIL AND GAS

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WIND

☐

SOLAR

☐

GEOTHERMAL

☐

HYDRO

☒

THERMAL

☐

OTHER:
XXXXXXXXXX

REGISTRATION IN UPME

YES

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NO

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STATUS: Operating plant



INVESTMENT OF THE PROJECT

TOTAL INVESTMENT OF THE PROJECT Approx. USD\$ 124 MM



ADDITIONAL COMMENTS

The company owns two Small Hydropower Plant - SHP (Luzma I and Luzma II), each with an installed capacity of 19,9 MW. Both SHP operate under a waterborne catchment system that takes advantage of the waters of the Riachón River. The company has contracted a Power Purchase Agreement - PPA under the modality that pays the contracted and pays the generated for the sale of all the generated energy until March of 2022.



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INVESTMENT PROJECT IN ENERGY



COMPANY INFORMATION

COMPANY NAME : Desarrollos Energéticos de Oriente S.A



PROJECT INFORMATION

NAME OF THE PROJECT: SHP El Retiro I & El Retiro II

LOCATION OF THE PROJECT: Salazar, Norte de Santander.

INSTALLED CAPACITY: 19,9 MW each SHP



TYPE OF PROJECT

OIL AND GAS

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WIND

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SOLAR

☐

GEOTHERMAL

☐

HYDRO

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THERMAL

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OTHER:
XXXXXXXXXX

REGISTRATION IN UPME

YES

☒

NO

☐

STATUS: Stage 2



INVESTMENT OF THE PROJECT

TOTAL INVESTMENT OF THE PROJECT: Approx. USD\$ 124 MW



ADDITIONAL COMMENTS

The SHP El Retiro is a waterborne catchment system that takes advantage of the waters of the Zulia River. It consists of two plants with an installed capacity of 19,9 MW each. The project is under feasibility studies.



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INVESTMENT PROJECT IN ENERGY



COMPANY INFORMATION

COMPANY NAME : Awarala Central Eléctrica



PROJECT INFORMATION

NAME OF THE PROJECT: Awarala I

LOCATION OF THE PROJECT: Toluviejo, Sucre.

INSTALLED CAPACITY: 19,9 MW



TYPE OF PROJECT

OIL AND GAS

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WIND

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SOLAR

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GEOTHERMAL

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HYDRO

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THERMAL

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OTHER:
XXXXXXXXXX

REGISTRATION IN UPME

YES ☐

NO ☒

STATUS:



INVESTMENT OF THE PROJECT

TOTAL INVESTMENT OF THE PROJECT: Approx. USD\$ 52.3 MM



ADDITIONAL COMMENTS

The Project will implement the ECS-SOLAR technology (Solar with Mechanical Induction) leveraging the high and uniform levels of solar radiation of 4.76 kWh/m²-day of the municipality of Toluviejo, Sucre.



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INVESTMENT PROJECT IN ENERGY



COMPANY INFORMATION

COMPANY NAME : Desarrollos Eólicos Uribia S.A.S



PROJECT INFORMATION

NAME OF THE PROJECT: Cerrito

LOCATION OF THE PROJECT: Uribia, La Guajira.

INSTALLED CAPACITY: 378 MW



TYPE OF PROJECT

OIL AND GAS

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WIND

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SOLAR

☐

GEOTHERMAL

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HYDRO

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THERMAL

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OTHER:
XXXXXXXXXX

REGISTRATION IN UPME

YES

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NO

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STATUS: Stage 1



INVESTMENT OF THE PROJECT

TOTAL INVESTMENT OF THE PROJECT: Approx. USD\$ 378 MM



ADDITIONAL COMMENTS

The Project developer is securing the land by discussing prior consultations with the local communities, in order to advance in the environmental impact study. One of the main advantages of the project is its proximity (4,5 km) to the Colectora substation



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INVESTMENT PROJECT IN ENERGY



COMPANY INFORMATION

COMPANY NAME : SolarGreen



PROJECT INFORMATION

NAME OF THE PROJECT: Bosques Solares de los Llanos

LOCATION OF THE PROJECT: Puerto Gaitán, Meta,

INSTALLED CAPACITY: 97,5 MW



TYPE OF PROJECT

OIL AND GAS

☐

WIND

☐

SOLAR

☒

GEOTHERMAL

☐

HYDRO

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THERMAL

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OTHER:
XXXXXXXXXX

REGISTRATION IN UPME

YES ☒

NO ☐

STATUS: Stage 3



INVESTMENT OF THE PROJECT

TOTAL INVESTMENT OF THE PROJECT Approx. USD\$ 97,5 MM



ADDITIONAL COMMENTS

The Project is divided in three phases. The first three phases are 19,9 MW each, one of 19,5 MW, and the last one of 19,9 MW. All the project has connection to the Grid approval by UPME.



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INVESTMENT PROJECT IN ENERGY



COMPANY INFORMATION

COMPANY NAME : Solar Green



PROJECT INFORMATION

NAME OF THE PROJECT: Bosques Solares de Bolívar

LOCATION OF THE PROJECT: Santa Rosa, Bolivar.

INSTALLED CAPACITY: 59,7 MW



TYPE OF PROJECT

OIL AND GAS

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WIND

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SOLAR

☒

GEOTHERMAL

☐

HYDRO

☐

THERMAL

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OTHER:
XXXXXXXXXX

REGISTRATION IN UPME

YES

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NO

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STATUS: Stage 2



INVESTMENT OF THE PROJECT

TOTAL INVESTMENT OF THE PROJECT: Approx. USD\$ 59,7 MW



ADDITIONAL COMMENTS

The Project is divided in three phases, each of 19,9 MW. It will be developed in an area of 87,8 hectares, secured by a lease agreement for 30 year. The project has connection to the Grid approval by UPME



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INVESTMENT PROJECT IN ENERGY



COMPANY INFORMATION

COMPANY NAME : SolarGreen



PROJECT INFORMATION

NAME OF THE PROJECT: Bosques Solares de Colombia

LOCATION OF THE PROJECT: Montelibano, Córdoba.

INSTALLED CAPACITY: 139,3 MW



TYPE OF PROJECT

OIL AND GAS

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WIND

☐

SOLAR

☒

GEOTHERMAL

☐

HYDRO

☐

THERMAL

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OTHER:
XXXXXXXXXX

REGISTRATION IN UPME

YES

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NO

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STATUS: Stage 2



INVESTMENT OF THE PROJECT

TOTAL INVESTMENT OF THE PROJECT: Approx. USD\$ 139 MM



ADDITIONAL COMMENTS

The Project is divided in seven phases, each of 19,9 MW. The project has connection to the Grid approval by UPME.



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INVESTMENT PROJECT IN ENERGY



COMPANY INFORMATION

COMPANY NAME : Atlántico Solar I Baranoa SAS



PROJECT INFORMATION

NAME OF THE PROJECT: Atlántico Solar I Baranoa

LOCATION OF THE PROJECT: Baranoa, Atlántico.

INSTALLED CAPACITY: 19,3 MW



TYPE OF PROJECT

OIL AND GAS

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WIND

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SOLAR

☒

GEOTHERMAL

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HYDRO

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THERMAL

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OTHER:
XXXXXXXXXX

REGISTRATION IN UPME

YES

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NO

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STATUS: Stage 2



INVESTMENT OF THE PROJECT

TOTAL INVESTMENT OF THE PROJECT: Approx. USD \$20 MM



ADDITIONAL COMMENTS

The project has connection to the Grid approval by UPME and environmental license by the local environmental entity



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INVESTMENT PROJECT IN ENERGY



COMPANY INFORMATION

COMPANY NAME : AS II Polonuevo SAS



PROJECT INFORMATION

NAME OF THE PROJECT: ATLANTICO SOLAR II POLONUEVO

LOCATION OF THE PROJECT: Polonuevo, Atlántico.

INSTALLED CAPACITY: 9,9 MW



TYPE OF PROJECT

OIL AND GAS

☐

WIND

☐

SOLAR

☒

GEOTHERMAL

☐

HYDRO

☐

THERMAL

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OTHER:
XXXXXXXXXX

REGISTRATION IN UPME

YES

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NO

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STATUS: Stage 2



INVESTMENT OF THE PROJECT

TOTAL INVESTMENT OF THE PROJECT: Approx. USD \$9,9 MM



ADDITIONAL COMMENTS

The project has connection to the Grid approval by UPME and environmental license by the local environmental entity



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INVESTMENT PROJECT IN ENERGY



COMPANY INFORMATION

COMPANY NAME : UPME



PROJECT INFORMATION

NAME OF THE PROJECT: Regasification Plant of the Pacific and Buenaventura-Yumbo Pipeline

LOCATION OF THE PROJECT: Buenaventura, Valle del Cauca

INSTALLED CAPACITY: Storage Capacity : 170.000 m3 of LNG
Regasification capacity: 400 MCFD



TYPE OF PROJECT

OIL AND GAS

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WIND

☐

SOLAR

☐

GEOTHERMAL

☐

HYDRO

☐

THERMAL

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OTHER:
Regasification

REGISTRATION IN UPME

YES ☒

NO ☐

STATUS: Preliminary version of the investor Selection Document



INVESTMENT OF THE PROJECT

TOTAL INVESTMENT OF THE PROJECT:

Buenaventura – Yumbo Pipeline: Approx. USD \$245 MM.
Regasification Plant: Approx. USD \$350 MM



ADDITIONAL COMMENTS

UPME published for comments the Investor selection document for the design, construction, operation and maintenance of the Regasification Plant and the Buenaventura – Yumbo Pipeline. It is expected that by the second half of 2019 the bidding process will be opened.