

# PMR Operational Report

<b>Operation Number</b>	VE-L 1033	<b>Chief of Operations Validation Date</b>	04/09/20
<b>Year- PMR Cycle</b>	Second period Jan-Dec 2019	<b>Division Chief Validation Date</b>	04/09/20
<b>Last Update</b>	03/25/20	<b>Country Representative Validation Date</b>	05/04/20
<b>PMR Validation Stage</b>	Validated by Representative		

## Basic Data

### Operation Profile

<b>Operation Name</b>	Rehabilitation of Units 1 to 6 of Powerhouse I Simón Bolívar Hydroelectric Plant	<b>Loan Number</b>	2429/OC-VE
<b>Executing Agency</b>	C.V.G. ELECTRIFICACION DEL CARONI, S.A. (EDELCA)	<b>Sector/Subsector</b>	EN-HID - ENERGY-NEW HYDROPOWER PROJECTS
<b>Team Leader</b>	MONTANEZ, LEOPOLDO	<b>Overall Stage</b>	Disbursing (From eligibility until all the Operations are closed)
<b>Operation Type</b>	Loan Operation	<b>Country</b>	Venezuela
<b>Lending Instrument</b>	Investment Loan	<b>Convergence related Operation(s)</b>	
<b>Borrower</b>	REPUBLICA BOLIVARIANA DE VENEZUELA		

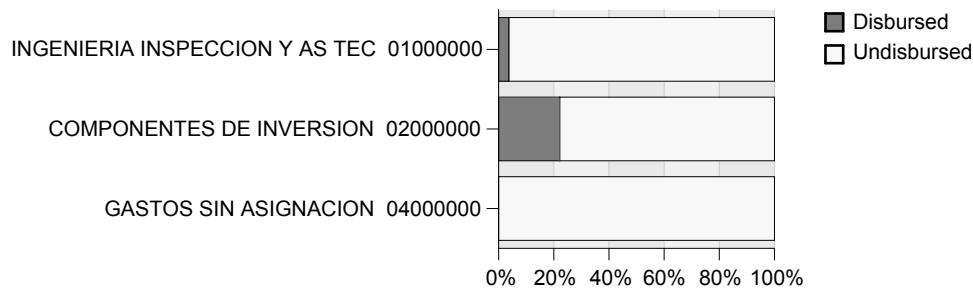
## Environmental and Social Safeguards

<b>Impacts Category</b>	B	<b>Was/Were the objective(s) of this operation reformulated?</b>	NO
<b>Safeguard Performance Rating</b>	Partially Satisfactory	<b>Date of approval</b>	
<b>Safeguard Performance Rating - Rationale</b>	Dado que la ejecución del proyecto se encuentra actualmente paralizada, el cumplimiento de la operación se resume en "parcialmente satisfactorio," hasta que se obtenga información adicional que apoye o que contradiga esta clasificación.		

## Financial Data

Item	Total Cost and Source					Available Funds (US\$)			
	Original IDB	Current IDB	Local Counterpart	Co-Financing / Country	Total Original Cost	Current IDB	Disb. Amount to Date	% Disb	Undisbursed Amount
VE-L1033	700,000,000	500,000,000	609,771,000	0	1,309,771,000	500,000,000	92,710,360.85	18.54%	407,289,639.15
<b>Aggregated</b>	<b>700,000,000</b>	<b>500,000,000</b>	<b>609,771,000</b>	<b>0</b>	<b>1,309,771,000</b>	<b>500,000,000</b>	<b>92,710,360.85</b>	<b>18.54%</b>	<b>407,289,639.15</b>

## Expense Categories by Loan Contract (cumulative values)



Please note that inactive indicators and outputs are not displayed; totals in the actual cost table may not match the sum of the cost of the outputs displayed, due to the cost of inactive outputs.

## PMR Operational Report

### RESULTS MATRIX

#### IMPACTS

**Impact Nbr. 1:** Disminucion del Impacto sobre el Ambiente a través del uso más eficiente de una fuente de energía renovable.

**Observation:** Acordar la metodología para el cálculo del indicador. Se debe definir la línea base

Indicator		Unit of Measure	Baseline	Baseline Year		2018	2019	2020	EOP 2019
1.1	Reducción de Emisiones de Contaminantes a la Atmósfera	CO2		2011	P				0.00
					P(a)				0.00
					A	0.00	0.00	0.00	0.00

#### Details

**Means of verification:** Informes Ambientales de CORPOELEC

**Pro-Gender** No **Pro-Ethnicity** No

## PMR Operational Report

### RESULTS MATRIX

#### OUTCOMES

**Outcome Nbr. 1:** capacidad de generación con recursos renovables incrementada

**Observation:** Se ajustó bajo la premisa de concluir las unidades a partir del año 2023.

Indicator	Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
1.1	Capacidad Instalada Nominal en Unidades 1 a 6	MW	1,215.00	2008	P	2,010.00						2,010.00
					P(a)	1,215.00	1,215.00	1,215.00	1,215.00	1,215.00	2,010.00	2,010.00
					A	0.00		0.00	0.00	0.00		

#### Details

**Means of verification:** Sistema de Control de la Planta

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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Indicator	Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
1.2	Capacidad Instalada Unidad 1	MW	185.00	2011	P	270.00						270.00
					P(a)		0.00	185.00	185.00	185.00	270.00	270.00
					A	0.00		0.00	0.00			

#### Details

**Means of verification:** Sistemas de Control de la Planta

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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Indicator	Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
1.3	Capacidad Instalada Unidad 2	MW	185.00	2011	P							270.00
					P(a)		0.00	185.00	185.00	185.00	270.00	270.00
					A	0.00		0.00	0.00			

#### Details

**Means of verification:** Sistemas de Control de la Planta

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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Indicator	Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
1.4	Capacidad Instalada Unidad 3	MW	185.00	2011	P							270.00
					P(a)		0.00	185.00	185.00	185.00	270.00	270.00
					A	0.00		0.00	0.00			

#### Details

## PMR Operational Report

### RESULTS MATRIX

#### OUTCOMES

**Means of verification:** Sistema de Control de la Planta

Pro-Gender		No	Pro-Ethnicity		No								
Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
1.5	Capacidad Instalada Unidad 4	MW	220.00	2011	P								400.00
					P(a)		0.00	220.00	220.00	220.00	220.00	400.00	400.00
					A	0.00		0.00	0.00	0.00			

#### Details

**Means of verification:** Sistema de Control de la Planta

Pro-Gender		No	Pro-Ethnicity		No								
Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
1.6	Capacidad Instalada Unidad 5	MW	220.00	2011	P								400.00
					P(a)		0.00	220.00	220.00	220.00	220.00	400.00	400.00
					A	0.00		0.00	0.00	0.00			

#### Details

**Means of verification:** Sistema de Control de la Planta

Pro-Gender		No	Pro-Ethnicity		No								
Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
1.7	Capacidad Instalada Unidad 6	MW	220.00	2011	P								400.00
					P(a)		0.00	220.00	220.00	220.00	220.00	400.00	400.00
					A	0.00		0.00	0.00	0.00			

#### Details

**Means of verification:** Sistema de Control de la Planta

Pro-Gender		No	Pro-Ethnicity		No								
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**Outcome Nbr. 2:** aporte de energía del Bajo Caroní al Sistema Eléctrico Nacional (SEN) aumentado

**Observation:** Se ajustó bajo la premisa de concluir las unidades a partir del año 2023.

Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
2.1	Energía media entregada anualmente al SEN	GWh	9,048.00	2008	P	15,849.00							15,849.00
					P(a)	8,940.00	8,940.00	9,048.00	9,048.00	9,048.00	9,048.00	15,849.00	15,849.00

## PMR Operational Report

### RESULTS MATRIX

#### OUTCOMES

2.1	Energía media entregada anualmente al SEN	GWh	9,048.00	2008	A	0.00		0.00	0.00	0.00			
Details													
Means of verification: Sistema de Control de la Planta													
Pro-Gender		No			Pro-Ethnicity		No						
Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
2.2	Energía Unidad 1	GWh	1,378.00	2011	P	2,129.00							2,129.00
					P(a)		0.00	1,378.00	1,378.00	1,378.00	1,378.00	2,129.00	2,129.00
					A	0.00		0.00	0.00	0.00			
Details													
Means of verification: Sistema de Control de la Planta													
Pro-Gender		No			Pro-Ethnicity		No						
Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
2.3	Energía Unidad 2	GWh	1,378.00	2011	P								2,129.00
					P(a)		0.00	1,378.00	1,378.00	1,378.00	1,378.00	2,129.00	2,129.00
					A	0.00		0.00	0.00	0.00			
Details													
Means of verification: Sistema de Control de la Planta													
Pro-Gender		No			Pro-Ethnicity		No						
Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
2.4	Energía Unidad 3	GWh	1,378.00	2011	P								2,129.00
					P(a)		0.00	1,378.00	1,378.00	1,378.00	1,378.00	2,129.00	2,129.00
					A	0.00		0.00	0.00	0.00			
Details													
Means of verification: Sistema de Control de la Planta													
Pro-Gender		No			Pro-Ethnicity		No						
Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
2.5	Energía Unidad 4	GWh	1,638.00	2011	P								3,154.00

## PMR Operational Report

### RESULTS MATRIX

#### OUTCOMES

2.5	Energía Unidad 4	GWh	1,638.00	2011	P(a)		0.00	1,638.00	1,638.00	1,638.00	1,638.00	3,154.00	3,154.00
					A	0.00		0.00	0.00	0.00			

#### Details

**Means of verification:** Sistema de Control de la Planta

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
2.6	Energía Unidad 5	GWh	1,638.00	2011	P								3,154.00
					P(a)		0.00	1,638.00	1,638.00	1,638.00	1,638.00	3,154.00	3,154.00
					A	0.00		0.00	0.00	0.00			

#### Details

**Means of verification:** Sistema de Control de la Planta

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
2.7	Energía Unidad 6	GWh	1,638.00	2011	P								3,154.00
					P(a)		0.00	1,638.00	1,638.00	1,638.00	1,638.00	3,154.00	3,154.00
					A	0.00		0.00	0.00	0.00			

#### Details

**Means of verification:** Sistema de Control de la Planta

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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**Outcome Nbr. 3:** disponibilidad de las unidades generadoras 1 a 6 aumentada

**Observation:** Se ajustó bajo la premisa de concluir las unidades a partir del año 2023.

Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
3.1	Disponibilidad de las unidades generadoras 1 a 6	%	85.00	2008	P	90.00							90.00
					P(a)	85.00	85.00	85.00	85.00	85.00	85.00	90.00	90.00
					A	0.00		0.00	0.00	0.00			

#### Details

**Means of verification:** Informe de Operación (plan de parada de la planta)

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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## PMR Operational Report

### RESULTS MATRIX

#### OUTCOMES

Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
3.2	Disponibilidad Unidad 1	%	85.00	2011	P	90.00							90.00
					P(a)		0.00	85.00	85.00	85.00	85.00	90.00	90.00
					A	0.00		0.00	0.00	0.00			

#### Details

**Means of verification:** Plan de Paradas de Planta

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
3.3	Disponibilidad Unidad 2	%	85.00	2011	P								90.00
					P(a)		0.00	85.00	85.00	85.00	85.00	90.00	90.00
					A	0.00		0.00	0.00	0.00			

#### Details

**Means of verification:** Plan de Paradas de Planta

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
3.4	Disponibilidad Unidad 3	%	85.00	2011	P								90.00
					P(a)		0.00	85.00	85.00	85.00	85.00	90.00	90.00
					A	0.00		0.00	0.00	0.00			

#### Details

**Means of verification:** Plan de Paradas de Planta

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
3.5	Disponibilidad Unidad 4	%	85.00	2011	P								90.00
					P(a)		0.00	85.00	85.00	85.00	85.00	90.00	90.00
					A	0.00		0.00	0.00	0.00			

#### Details

**Means of verification:** Plan de Paradas de Planta

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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## PMR Operational Report

### RESULTS MATRIX

#### OUTCOMES

Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
3.6	Disponibilidad Unidad 5	%	85.00	2011	P								90.00
					P(a)		0.00	85.00	85.00	85.00	85.00	90.00	90.00
					A	0.00		0.00	0.00	0.00			

#### Details

**Means of verification:** Plan de Paradas de Planta

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
3.7	Disponibilidad Unidad 6	%	85.00	2011	P								90.00
					P(a)		0.00	85.00	85.00	85.00	85.00	90.00	90.00
					A	0.00		0.00	0.00	0.00			

#### Details

**Means of verification:** Plan de Paradas de Planta

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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**Outcome Nbr. 4:** Eficiencia de las Unidades aumentadaSe ajustó bajo la premisa de concluir las unidades a partir del año 2023.

**Observation:** Se ajustó bajo la premisa de concluir las unidades a partir del año 2023.

Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
4.1	Eficiencia de las Unidades generadoras 1 a 6	%	84.00	2008	P								95.00
					P(a)		0.00	84.00	84.00	84.00	84.00	95.00	95.00
					A	0.00		0.00	0.00	0.00			

#### Details

**Means of verification:** Reporte de Pruebas Operacionales. Medición en Línea.

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
4.2	Aumentar la Eficiencia de la Unidad 1	%	84.00	2011	P	95.00							95.00
					P(a)		0.00	84.00	84.00	84.00	84.00	95.00	95.00
					A	0.00		0.00	0.00	0.00			



## PMR Operational Report

### RESULTS MATRIX

#### OUTCOMES

Details													
Means of verification: Pruebas de Eficiencia													
Pro-Gender		No	Pro-Ethnicity		No								
Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
4.3	Aumentar la Eficiencia de la Unidad 2	%	84.00	2011	P								95.00
					P(a)		0.00	84.00	84.00	84.00	84.00	95.00	95.00
					A	0.00		0.00	0.00	0.00			
Details													
Means of verification: Pruebas de Eficiencia													
Pro-Gender		No	Pro-Ethnicity		No								
Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
4.4	Aumentar la Eficiencia de la Unidad 3	%	84.00	2011	P								95.00
					P(a)		0.00	84.00	84.00	84.00	84.00	95.00	95.00
					A	0.00		0.00	0.00	0.00			
Details													
Means of verification: Pruebas de Eficiencia													
Pro-Gender		No	Pro-Ethnicity		No								
Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
4.5	Aumentar la Eficiencia de la Unidad 4	%	84.00	2011	P								95.00
					P(a)		0.00	84.00	84.00	84.00	84.00	95.00	95.00
					A	0.00		0.00	0.00	0.00			
Details													
Means of verification: Pruebas de Eficiencia													
Pro-Gender		No	Pro-Ethnicity		No								
Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
4.6	Aumentar la Eficiencia de la Unidad 5	%	84.00	2011	P								95.00
					P(a)		0.00	84.00	84.00	84.00	84.00	95.00	95.00

## PMR Operational Report

### RESULTS MATRIX

#### OUTCOMES

4.6	Aumentar la Eficiencia de la Unidad 5	%	84.00	2011	A	0.00		0.00	0.00	0.00			
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#### Details

**Means of verification:** Pruebas de Eficiencia

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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Indicator	Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
4.7	Aumentar la Eficiencia de la Unidad 6	%	84.00	2011	P							95.00
					P(a)		0.00	84.00	84.00	84.00	95.00	95.00
					A	0.00		0.00	0.00			

#### Details

**Means of verification:** Pruebas de Eficiencia

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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**Outcome Nbr. 5:** Indisponibilidad por mantenimiento reducida

**Observation:** Se ajustó bajo la premisa de concluir las unidades a partir del año 2023.

Indicator	Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
5.1	Frecuencia de mantenimientos mayores	Años	2.00	2008	P							5.00
					P(a)		0.00	2.00	2.00	2.00	5.00	5.00
					A	0.00		0.00	0.00			

#### Details

**Means of verification:** Informe de Inspección por garantías (proyección de tendencias)

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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Indicator	Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
5.2	Frecuencia de Mantenimientos Mayores Unidad 1	Años	2.00	2011	P	5.00						5.00
					P(a)		0.00	2.00	2.00	2.00	5.00	5.00
					A	0.00		0.00	0.00			

#### Details

**Means of verification:** Plan de Paradas de Planta

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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Indicator	Unit of	Baseline	Baseline		2016	2017	2018	2019	2020	2021	2022	EOP 2019
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## PMR Operational Report

### RESULTS MATRIX

#### OUTCOMES

		Measure		Year									
5.3	Frecuencia de Mantenimientos Mayores Unidad 2	Años	2.00	2011	P								5.00
					P(a)		0.00	2.00	2.00	2.00	2.00	5.00	5.00
					A	0.00		0.00	0.00	0.00			
Details													
Means of verification: Plan de Paradas de Planta													
Pro-Gender		No			Pro-Ethnicity		No						
Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
5.4	Frecuencia de Mantenimientos Mayores Unidad 3	Años	2.00	2011	P								5.00
					P(a)		0.00	2.00	2.00	2.00	2.00	5.00	5.00
					A	0.00		0.00	0.00	0.00			
Details													
Means of verification: Plan de Paradas de Planta													
Pro-Gender		No			Pro-Ethnicity		No						
Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
5.5	Frecuencia de Mantenimientos Mayores Unidad 4	Años	2.00	2011	P								5.00
					P(a)		0.00	2.00	2.00	2.00	2.00	5.00	5.00
					A	0.00		0.00	0.00	0.00			
Details													
Means of verification: Plan de Parada de Planta													
Pro-Gender		No			Pro-Ethnicity		No						
Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
5.6	Frecuencia de Mantenimientos Mayores Unidad 5	Años	2.00	2011	P								5.00
					P(a)		0.00	2.00	2.00	2.00	2.00	5.00	5.00
					A	0.00		0.00	0.00	0.00			
Details													
Means of verification: Plan de Parada de Planta													
Pro-Gender		No			Pro-Ethnicity		No						

## PMR Operational Report

### RESULTS MATRIX

#### OUTCOMES

Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
5.7	Frecuencia de Mantenimientos Mayores Unidad 6	Años	2.00	2011	P								5.00
					P(a)		0.00	2.00	2.00	2.00	2.00	5.00	5.00
					A	0.00		0.00	0.00	0.00			

#### Details

**Means of verification:** Plan de Parada de Planta

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
5.8	Duración de Mantenimientos Mayores	Días	60.00	2011	P								45.00
					P(a)		0.00	60.00	60.00	60.00	60.00	45.00	45.00
					A	0.00		0.00	0.00	0.00			

#### Details

**Means of verification:** Informe de Inspeccion por garantias (Proyeccion de Tendencias)

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
5.9	Duración de Mantenimientos Mayores Unidad 1	Días	60.00	2011	P	45.00							45.00
					P(a)		45.00	60.00	60.00	60.00	60.00	45.00	45.00
					A	0.00		0.00	0.00	0.00			

#### Details

**Means of verification:** Plan de Parada de Planta

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
5.10	Duración de Mantenimientos Mayores Unidad 2	Días	60.00	2011	P								45.00
					P(a)		0.00	60.00	60.00	60.00	60.00	45.00	45.00
					A	0.00		0.00	0.00	0.00			

#### Details

**Means of verification:** Plan de Parada de Planta

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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## PMR Operational Report

### RESULTS MATRIX

#### OUTCOMES

Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
5.11	Duración de Mantenimientos Mayores Unidad 3	Días	60.00	2011	P								45.00
					P(a)		0.00	60.00	60.00	60.00	60.00	45.00	45.00
					A	0.00		0.00	0.00	0.00			

#### Details

**Means of verification:** Plan de Parada de Planta

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
5.12	Duración de Mantenimientos Mayores Unidad 4	Días	60.00	2011	P								45.00
					P(a)		0.00	60.00	60.00	60.00	60.00	45.00	45.00
					A	0.00		0.00	0.00	0.00			

#### Details

**Means of verification:** Plan de Parada de Planta

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
5.13	Duración de Mantenimientos Mayores Unidad 5	Días	60.00	2011	P								45.00
					P(a)		0.00	60.00	60.00	60.00	60.00	45.00	45.00
					A	0.00		0.00	0.00	0.00			

#### Details

**Means of verification:** Plan de Parada de Planta

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
5.14	Duración de Mantenimientos Mayores Unidad 6	Días	60.00	2011	P								45.00
					P(a)		0.00	60.00	60.00	60.00	60.00	45.00	45.00
					A	0.00		0.00	0.00	0.00			

#### Details

**Means of verification:** Plan de Parada de Planta

## PMR Operational Report

### RESULTS MATRIX

#### OUTCOMES

Pro-Gender	No	Pro-Ethnicity	No
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**Outcome Nbr.** 6: vida útil de las unidades generadoras 1 a 6 extendida

**Observation:** Se ajustó bajo la premisa de concluir las unidades a partir del año 2023.

Indicator	Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
6.1	Vida útil teórica remanente promedio de las unidades 1 a 6	Años	2008	P								25.00
				P(a)		0.00	0.00	0.00	0.00	0.00	25.00	25.00
				A	0.00		0.00	0.00	0.00			

#### Details

**Means of verification:** Reportes del Fabricante de las unidades.

Pro-Gender	No	Pro-Ethnicity	No
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Indicator	Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
6.2	Vida Útil Teórica Unidad 1	Años	2011	P	25.00							25.00
				P(a)		0.00	0.00	0.00	0.00	0.00	25.00	25.00
				A	0.00		0.00	0.00	0.00			

#### Details

**Means of verification:** Reportes del Fabricante de las unidades.

Pro-Gender	No	Pro-Ethnicity	No
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Indicator	Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
6.3	Vida Útil Teórica Unidad 2	Años	2011	P								25.00
				P(a)		0.00	0.00	0.00	0.00	0.00	25.00	25.00
				A	0.00		0.00	0.00	0.00			

#### Details

**Means of verification:** Reportes del Fabricante de las unidades.

Pro-Gender	No	Pro-Ethnicity	No
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Indicator	Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
6.4	Vida Útil Teórica Unidad 3	Años	2011	P								25.00
				P(a)		0.00	0.00	0.00	0.00	0.00	25.00	25.00
				A	0.00		0.00	0.00	0.00			

## PMR Operational Report

### RESULTS MATRIX

#### OUTCOMES

Details													
Means of verification: Reportes del Fabricante de las unidades.													
Pro-Gender		No		Pro-Ethnicity		No							
Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
6.5	Vida Útil Teórica Unidad 4	Años	0.00	2011	P								25.00
					P(a)		0.00	0.00	0.00	0.00	0.00	25.00	25.00
					A	0.00		0.00	0.00	0.00			
Details													
Means of verification: Reportes del Fabricante de las unidades.													
Pro-Gender		No		Pro-Ethnicity		No							
Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
6.6	Vida Útil Teórica Unidad 5	Años	0.00	2011	P								25.00
					P(a)		0.00	0.00	0.00	0.00	0.00	25.00	25.00
					A	0.00		0.00	0.00	0.00			
Details													
Means of verification: Reportes del Fabricante de las unidades.													
Pro-Gender		No		Pro-Ethnicity		No							
Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
6.7	Vida Útil Teórica Unidad 6	Años	0.00	2011	P								25.00
					P(a)		0.00	0.00	0.00	0.00	0.00	25.00	25.00
					A	0.00		0.00	0.00	0.00			
Details													
Means of verification: Reportes del Fabricante de las unidades.													
Pro-Gender		No		Pro-Ethnicity		No							
Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
6.7	Vida Útil Teórica Unidad 6	Años	0.00	2011	P								25.00
					P(a)		0.00	0.00	0.00	0.00	0.00	25.00	25.00
					A	0.00		0.00	0.00	0.00			
Details													
Means of verification: Reportes del Fabricante de las unidades.													
Pro-Gender		No		Pro-Ethnicity		No							
Outcome Nbr. 7: Gestión del recurso hidrológico ampliada con la incorporación de conocimiento y herramientas técnicas para la consideración de potenciales impactos de cambio climático													
Observation: Se ajustó debido a los retrasos que se observan en las contrataciones del componente ambiental													
Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019

## PMR Operational Report

### RESULTS MATRIX

#### OUTCOMES

7.1	Identificación y valoración del impacto en el régimen hidrológico de la cuenca del Caroní (estudios y modelación completados sobre variables como caudales, recurrencias, tendencias)	%	50.00	2010	P								100.00
					P(a)		0.00	50.00	50.00	50.00	50.00	100.00	100.00
					A	0.00		0.00	0.00	0.00			

#### Details

**Means of verification:** Documento

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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**Outcome Nbr. 8:** Confiabilidad de información de variables ambientales para el fortalecimiento del sistema de generación hidroeléctrica aumentada

**Observation:**

Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
8.1	Asertividad de Pronósticos temporada de sequía	%	90.00	2010	P								98.00
					P(a)		0.00	90.00	90.00	90.00	90.00	98.00	98.00
					A	0.00		0.00	0.00	0.00			

#### Details

**Means of verification:** Reporte de Pronósticos

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
8.2	Asertividad de Pronósticos temporada de lluvia	%	80.00	2010	P								90.00
					P(a)		0.00	80.00	80.00	80.00	80.00	90.00	90.00
					A	0.00		0.00	0.00	0.00			

#### Details

**Means of verification:** Reporte de Pronósticos

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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**Outcome Nbr. 9:** Vulnerabilidad ambiental para la operatividad de la Central Simón Bolívar reducida

**Observation:**

Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
9.1	Efectividad de Atención a Emergencias y Contingencias Ambientales	%	0.00	2010	P								70.00
					P(a)		0.00	0.00	0.00	0.00	0.00	70.00	70.00
					A	0.00		0.00	0.00	0.00			

#### Details



## PMR Operational Report

### RESULTS MATRIX

#### OUTCOMES

**Means of verification:** Reporte de Gestión

Pro-Gender		No	Pro-Ethnicity					No					
Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
9.2	Adecuación ambiental de las operaciones de la Central	% de Cumplimiento de la Normativa	50.00	2010	P								100.00
					P(a)		0.00	0.00	0.00	0.00	0.00	100.00	100.00
					A	0.00		0.00	0.00	0.00			

#### Details

**Means of verification:** Informes de Adecuación

Pro-Gender		No	Pro-Ethnicity		No
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**Outcome Nbr. 10:** Responsabilidad Ambiental y Social asociada a las operaciones de la Central Simón Bolívar fortalecida

**Observation:** No están permitidas las visitas por políticas de seguridad de la empresa lo que por el momento impide el avance en este indicador

Indicator	Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2019
10.1	Mejoramiento de la imagen corporativa de la Central	Número de visitantes a la Central/año	30,092.00	2010	P							40,000.00
					P(a)		0.00	0.00	0.00	0.00	40,000.00	40,000.00
					A	0.00		0.00	0.00	0.00		

#### Details

**Means of verification:** Reporte de visitas

Pro-Gender		No	Pro-Ethnicity		No
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## RESULTS MATRIX

## OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

## Component Nbr. 1 Unidades 1 a 6 y sus Sistemas Auxiliares, Eléctricos y Mecánicos

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2019	EOP 2019	2019	EOP 2019
1.1	Primera Unidad Rehabilitada y Repotenciada	unidad	P		1		40,000,000
			P(a)	0	1	0	58,397,135.59
			A	0	0		14,098,513.99
1.2	Segunda Unidad Rehabilitada y Repotenciada	unidad	P		1		40,000,000
			P(a)	0	1	0	58,397,135.59
			A	0	0		14,098,513.99
1.3	Tercera Unidad Rehabilitada y Repotenciada	unidad	P		1		40,000,000
			P(a)	0	1	0	58,397,135.59
			A	0	0		14,098,513.99
1.4	Cuarta Unidad Rehabilitada y Repotenciada	unidad	P		1		53,333,334
			P(a)	0	1	0	65,237,056.72
			A	0	0		13,366,093.55
1.5	Quinta Unidad Rehabilitada y Repotenciada	unidad	P		1		53,333,333
			P(a)	0	1	0	65,237,056.72
			A	0	0		13,366,093.55
1.6	Sexta Unidad Rehabilitada y Repotenciada	unidad	P		1		53,333,333
			P(a)	0	1	0	65,237,056.72
			A		0		13,366,093.55
1.7	Sistemas Auxiliares Eléctricos y Mecánicos Comunes, Control y Tomas U1 a U10 Rehabilitados y Repotenciados	sistemas	P		1		370,000,000
			P(a)	0	1	0	83,796,454.32
			A	0	0		9,484,373.33

## Component Nbr. 2 Patios y Conexiones Rehabilitados y Repotenciados

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2019	EOP 2019	2019	EOP 2019
2.1	Patio 400KV Rehabilitado y Repotenciado	unidad	P		1		169,970,000
			P(a)	0	1	0	111,370,504.98
			A	0	0		0
2.2	Patio de Media Tensión Rehabilitado y Repotenciado	unidad	P		1		8,380,000
			P(a)	0	1	0	0
			A	0	0		0
2.3	Patio 230KV Rehabilitado y Repotenciado	unidad	P		1		56,650,000
			P(a)	0	1	0	89,619,187.12
			A	0	0		0
2.4	Lineas de transmisión Casa de Maquinas - Patio Rehabilitadas	Líneas	P		0		0
			P(a)	0	1		16,397,288.14
			A	0	0		0
2.5	Transformadores Operando	Conjunto de Transformadores	P		0		0
			P(a)	0	1	0	18,613,009.74
			A	0	0		0

## RESULTS MATRIX

## OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

## Component Nbr. 3 Arquitectura, Sistemas Auxiliares, Eléctricos y Mecánicos Comunes

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2019	EOP 2019	2019	EOP 2019
3.1	Adecuación de casa de Máquinas 1 completada	unidad	P		1		38,384,000
			P(a)	0	1	0	38,384,000
			A	0	0		0

## Component Nbr. 4 Componente Ambiental

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2019	EOP 2019	2019	EOP 2019
4.1	RED DE MEDICIONES DE VARIABLES AMBIENTALES HIDROMETEOROLÓGICAS Y LIMNOLÓGICAS FORTALECIDA	Red de Medición	P		1		4,100,000
			P(a)	0	1	0	229,923.11
			A	0	0		229,923.11
4.2	GESTIÓN DE RIESGOS AMBIENTALES OPERACIONALES FORTALECIDA	Gestión de Riesgo	P		1		6,180,000
			P(a)	0	1	0	8,578,056.18
			A	0	0		778,097.88

## Other Cost

Ingeniería e Inspección	P				70,250,000
	P(a)			0	84,234,180.73
	A				1,344,124.55
Administración	P				46,154,000
	P(a)			0	27,600,000
	A				0
Auditoría Externa	P				330,000
	P(a)			0	180,000
	A				0
Evaluación Medio Término y Final, Monitoreo y Evaluación	P				120,000
	P(a)			0	100,000
	A				0
Imprevistos	P				65,389,000
	P(a)			0	64,447,352.32
	A				0
Escalamiento	P				61,260,000
	P(a)			0	46,239,803.08
	A				0
Costos Financieros	P				126,355,000
	P(a)			0	126,830,000
	A				14,377,809.08

## Total Cost

Total Cost	P				1,309,772,000
	P(a)			0	1,087,522,336.65
	A				108,608,150.57

### CHANGES TO THE MATRIX

No information available for this section

## PMR Operational Report

### IMPLEMENTATION STATUS AND LEARNING

Lesson Learned - Categories