

# PMR Public Report

<b>Operation Number</b>	VE-L 1033	<b>Chief of Operations Validation Date</b>	04/29/21
<b>Year- PMR Cycle</b>	Second period Jan-Dec 2020	<b>Division Chief Validation Date</b>	04/30/21
<b>Last Update</b>	03/17/21	<b>Country Representative Validation Date</b>	05/18/21
<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>	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		

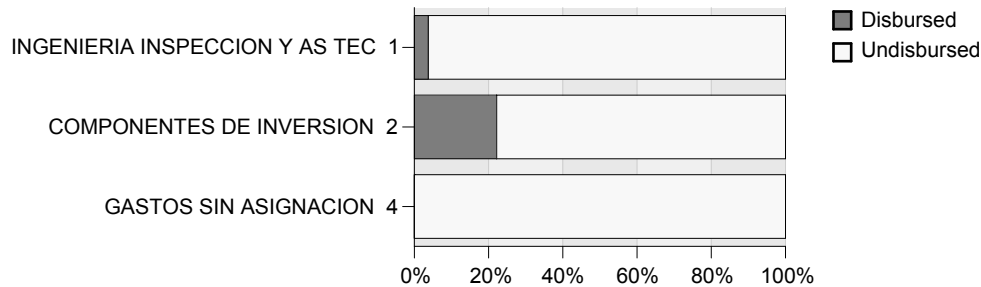
## Environmental and Social Safeguards

<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.

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### RESULTS MATRIX

#### General Development Objectives

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

**Observation:**

	Indicator	Unit of Measure	Baseline	Baseline Year	Expected Year of Achievement		Target
1.1	Reducción de Emisiones de Contaminantes a la Atmósfera	CO2		2011	2010	P	0.00
						A	0.00

#### Details

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

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
<p>The General Development objective indicator target is expected to be observed by the operation's "Fully Justified" date in Convergence (CO)</p>			

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### RESULTS MATRIX

#### Specific Development Objectives

Specific Development Objectives Nbr. 1: capacidad de generación con recursos renovables incrementada

Observation:

Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2023
1.1	Capacidad Instalada Nominal en Unidades 1 a 6	MW	1,215.00	2008	P	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													
Pro-Gender		No			Pro-Ethnicity		No						

Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2023
1.2	Capacidad Instalada Unidad 1	MW	185.00	2011	P	270.00							270.00
					A	0.00		0.00	0.00	0.00			
Details													
Means of verification: Sistemas 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 2023
1.3	Capacidad Instalada Unidad 2	MW	185.00	2011	P								270.00
					A	0.00		0.00	0.00	0.00			
Details													
Means of verification: Sistemas 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 2023
1.4	Capacidad Instalada Unidad 3	MW	185.00	2011	P								270.00
					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 2023
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## PMR Public Report

### RESULTS MATRIX

#### Specific Development Objectives

1.5	Capacidad Instalada Unidad 4	MW	220.00	2011	P								400.00
					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 2023
1.6	Capacidad Instalada Unidad 5	MW	220.00	2011	P								400.00
					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 2023
1.7	Capacidad Instalada Unidad 6	MW	220.00	2011	P								400.00
					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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**Specific Development Objectives Nbr. 2:** aporte de energía del Bajo Caroní al Sistema Eléctrico Nacional (SEN) aumentado

**Observation:**

Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2023
2.1	Energía media entregada anualmente al SEN	GWh	9,048.00	2008	P	15,849.00							15,849.00
					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 2023
2.2	Energía Unidad 1	GWh	1,378.00	2011	P	2,129.00							2,129.00

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### RESULTS MATRIX

#### Specific Development Objectives

2.2	Energía Unidad 1	GWh	1,378.00	2011	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 2023
2.3	Energía Unidad 2	GWh	1,378.00	2011	P								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 2023
2.4	Energía Unidad 3	GWh	1,378.00	2011	P								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 2023
2.5	Energía Unidad 4	GWh	1,638.00	2011	P								3,154.00
					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 2023
2.6	Energía Unidad 5	GWh	1,638.00	2011	P								3,154.00
					A	0.00		0.00	0.00	0.00			
Details													
Means of verification: Sistema de Control de la Planta													

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### RESULTS MATRIX

#### Specific Development Objectives

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 2023
2.7	Energía Unidad 6	GWh	1,638.00	2011	P							3,154.00
					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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**Specific Development Objectives Nbr. 3:** disponibilidad de las unidades generadoras 1 a 6 aumentada

**Observation:**

Indicator	Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2023
3.1	Disponibilidad de las unidades generadoras 1 a 6	%	85.00	2008	P	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)

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 2023
3.2	Disponibilidad Unidad 1	%	85.00	2011	P	90.00						90.00
					A	0.00		0.00	0.00	0.00		

#### Details

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

Pro-Gender	No	Pro-Ethnicity	No
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Indicator	Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2023
3.3	Disponibilidad Unidad 2	%	85.00	2011	P							90.00
					A	0.00		0.00	0.00	0.00		

#### Details

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

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

#### Specific Development Objectives

Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2023
3.4	Disponibilidad Unidad 3	%	85.00	2011	P								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 2023
3.5	Disponibilidad Unidad 4	%	85.00	2011	P								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 2023
3.6	Disponibilidad Unidad 5	%	85.00	2011	P								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 2023
3.7	Disponibilidad Unidad 6	%	85.00	2011	P								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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**Specific Development Objectives Nbr. 4:** Eficiencia de las Unidades aumentadaSe ajustó bajo la premisa de concluir las unidades a partir del año 2023.

**Observation:**

Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2023
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### RESULTS MATRIX

#### Specific Development Objectives

4.1	Eficiencia de las Unidades generadoras 1 a 6	%	84.00	2008	P								95.00
					A	0.00		0.00	0.00	0.00			
Details													
Means of verification: Reporte de Pruebas Operacionales. Medición en Línea.													
Pro-Gender		No		Pro-Ethnicity		No							
Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2023
4.2	Aumentar la Eficiencia de la Unidad 1	%	84.00	2011	P	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 2023
4.3	Aumentar la Eficiencia de la Unidad 2	%	84.00	2011	P								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 2023
4.4	Aumentar la Eficiencia de la Unidad 3	%	84.00	2011	P								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 2023
4.5	Aumentar la Eficiencia de la Unidad 4	%	84.00	2011	P								95.00
					A	0.00		0.00	0.00	0.00			
Details													



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### RESULTS MATRIX

#### Specific Development Objectives

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 2023
4.6	Aumentar la Eficiencia de la Unidad 5	%	84.00	2011	P								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 2023
4.7	Aumentar la Eficiencia de la Unidad 6	%	84.00	2011	P								95.00
					A	0.00		0.00	0.00	0.00			

#### Details

Means of verification: Pruebas de Eficiencia

Pro-Gender		No	Pro-Ethnicity		No								
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Specific Development Objectives Nbr. 5: Indisponibilidad por mantenimiento reducida

Observation:

Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2023
5.1	Frecuencia de mantenimientos mayores	Años	2.00	2008	P								5.00
					A	0.00		0.00	0.00	0.00			

#### Details

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

Pro-Gender		No	Pro-Ethnicity		No								
Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2023
5.2	Frecuencia de Mantenimientos Mayores Unidad 1	Años	2.00	2011	P	5.00							5.00
					A	0.00		0.00	0.00	0.00			

#### Details

Means of verification: Plan de Paradas de Planta

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### RESULTS MATRIX

#### Specific Development Objectives

Pro-Gender		No		Pro-Ethnicity		No							
Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2023
5.3	Frecuencia de Mantenimientos Mayores Unidad 2	Años	2.00	2011	P								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 2023
5.4	Frecuencia de Mantenimientos Mayores Unidad 3	Años	2.00	2011	P								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 2023
5.5	Frecuencia de Mantenimientos Mayores Unidad 4	Años	2.00	2011	P								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 2023
5.6	Frecuencia de Mantenimientos Mayores Unidad 5	Años	2.00	2011	P								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 2023

## PMR Public Report

### RESULTS MATRIX

#### Specific Development Objectives

5.7	Frecuencia de Mantenimientos Mayores Unidad 6	Años	2.00	2011	P								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 2023
5.8	Duración de Mantenimientos Mayores	Días	60.00	2011	P								45.00
					A	0.00		0.00	0.00	0.00			
Details													
Means of verification: Informe de Inspeccion por garantias (Proyeccion de Tendencias)													
Pro-Gender		No			Pro-Ethnicity			No					
Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2023
5.9	Duración de Mantenimientos Mayores Unidad 1	Días	60.00	2011	P	45.00							45.00
					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 2023
5.10	Duración de Mantenimientos Mayores Unidad 2	Días	60.00	2011	P								45.00
					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 2023
5.11	Duración de Mantenimientos Mayores Unidad 3	Días	60.00	2011	P								45.00
					A	0.00		0.00	0.00	0.00			
Details													

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### RESULTS MATRIX

#### Specific Development Objectives

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 2023
5.12	Duración de Mantenimientos Mayores Unidad 4	Días	60.00	2011	P								45.00
					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 2023
5.13	Duración de Mantenimientos Mayores Unidad 5	Días	60.00	2011	P								45.00
					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 2023
5.14	Duración de Mantenimientos Mayores Unidad 6	Días	60.00	2011	P								45.00
					A	0.00		0.00	0.00	0.00			

#### Details

Means of verification: Plan de Parada de Planta

Pro-Gender		No	Pro-Ethnicity		No								
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Specific Development Objectives Nbr. 6: vida útil de las unidades generadoras 1 a 6 extendida

Observation:

Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2023
6.1	Vida útil teórica remanente promedio de las unidades 1 a 6	Años	0.00	2008	P								25.00
					A	0.00		0.00	0.00	0.00			

#### Details

Means of verification: Reportes del Fabricante de las unidades.

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### RESULTS MATRIX

#### Specific Development Objectives

Pro-Gender		No	Pro-Ethnicity				No						
Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2023
6.2	Vida Útil Teórica Unidad 1	Años	0.00	2011	P	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 2023
6.3	Vida Útil Teórica Unidad 2	Años	0.00	2011	P								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 2023
6.4	Vida Útil Teórica Unidad 3	Años	0.00	2011	P								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 2023
6.5	Vida Útil Teórica Unidad 4	Años	0.00	2011	P								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 2023

## PMR Public Report

### RESULTS MATRIX

#### Specific Development Objectives

6.6	Vida Útil Teórica Unidad 5	Años	0.00	2011	P								25.00
					A	0.00		0.00	0.00	0.00			

#### Details

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

<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 2023
6.7	Vida Útil Teórica Unidad 6	Años	2011	P								25.00
				A	0.00		0.00	0.00	0.00			

#### Details

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

<b>Pro-Gender</b>	No	<b>Pro-Ethnicity</b>	No
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**Specific Development Objectives 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:**

Indicator	Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2023
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
					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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**Specific Development Objectives 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 2023
8.1	Asertividad de Pronósticos temporada de sequía	%	90.00	2010	P							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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## PMR Public Report

### RESULTS MATRIX

#### Specific Development Objectives

Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2023
8.2	Asertividad de Pronósticos temporada de lluvia	%	80.00	2010	P								90.00
					A	0.00		0.00	0.00	0.00			
Details													
Means of verification: Reporte de Pronósticos													
Pro-Gender		No		Pro-Ethnicity		No							

**Specific Development Objectives 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 2023
9.1	Efectividad de Atención a Emergencias y Contingencias Ambientales	%	0.00	2010	P								70.00
					A	0.00		0.00	0.00	0.00			
Details													
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 2023
9.2	Adecuación ambiental de las operaciones de la Central	% de Cumplimiento de la Normativa	50.00	2010	P								100.00
					A	0.00		0.00	0.00	0.00			
Details													
Means of verification: Informes de Adecuación													
Pro-Gender		No		Pro-Ethnicity		No							

**Specific Development Objectives Nbr. 10:** Responsabilidad Ambiental y Social asociada a las operaciones de la Central Simón Bolívar fortalecida

**Observation:**

Indicator		Unit of Measure	Baseline	Baseline Year		2016	2017	2018	2019	2020	2021	2022	EOP 2023
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
					A	0.00		0.00	0.00	0.00			
Details													
Means of verification: Reporte de visitas													

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### RESULTS MATRIX

#### Specific Development Objectives

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	
				2020	EOP 2023	2020	EOP 2023
1.1	Primera Unidad Rehabilitada y Repotenciada	unidad	P		1		40,000,000
			P(a)	1	1	44,298,621.6	58,397,135.59
			A	0	0	0	14,098,513.99
1.2	Segunda Unidad Rehabilitada y Repotenciada	unidad	P		1		40,000,000
			P(a)	1	1	44,298,621.6	58,397,135.59
			A	0	0	0	14,098,513.99
1.3	Tercera Unidad Rehabilitada y Repotenciada	unidad	P		1		40,000,000
			P(a)	1	1	44,298,621.6	58,397,135.59
			A	0	0	0	14,098,513.99
1.4	Cuarta Unidad Rehabilitada y Repotenciada	unidad	P		1		53,333,334
			P(a)	1	1	51,870,963.17	65,237,056.72
			A	0	0	0	13,366,093.55
1.5	Quinta Unidad Rehabilitada y Repotenciada	unidad	P		1		53,333,333
			P(a)	1	1	51,870,963.17	65,237,056.72
			A	0	0	0	13,366,093.55
1.6	Sexta Unidad Rehabilitada y Repotenciada	unidad	P		1		53,333,333
			P(a)	1	1	51,870,963.17	65,237,056.72
			A	0	0	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)	1	1	74,312,080.99	83,796,454.32
			A	0	0	0	9,484,373.33

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

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2020	EOP 2023	2020	EOP 2023
2.1	Patio 400KV Rehabilitado y Repotenciado	unidad	P		1		169,970,000
			P(a)	1	1	111,370,504.98	111,370,504.98
			A	0	0	0	0
2.2	Patio de Media Tensión Rehabilitado y Repotenciado	unidad	P		1		8,380,000
			P(a)	1	1	0	0
			A	0	0	0	0
2.3	Patio 230KV Rehabilitado y Repotenciado	unidad	P		1		56,650,000
			P(a)	1	1	89,619,187.12	89,619,187.12
			A	0	0	0	0
2.4	Lineas de transmisión Casa de Maquinas - Patio Rehabilitadas	Líneas	P		0		0
			P(a)	1	1	16,397,288.14	16,397,288.14
			A	0	0	0	0
2.5	Transformadores Operando	Conjunto de Transformadores	P		0		0
			P(a)	1	1	18,613,009.74	18,613,009.74
			A	0	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	
				2020	EOP 2023	2020	EOP 2023
3.1	Adecuación de casa de Máquinas 1 completada	unidad	P		1		38,384,000
			P(a)	1	1	38,384,000	38,384,000
			A	0	0	0	0

## Component Nbr. 4 Componente Ambiental

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2020	EOP 2023	2020	EOP 2023
4.1	RED DE MEDICIONES DE VARIABLES AMBIENTALES HIDROMETEOROLÓGICAS Y LIMNOLÓGICAS FORTALECIDA	Red de Medición	P		1		4,100,000
			P(a)	1	1	0	229,923.11
			A	0	0	0	229,923.11
4.2	GESTIÓN DE RIESGOS AMBIENTALES OPERACIONALES FORTALECIDA	Gestión de Riesgo	P		1		6,180,000
			P(a)	1	1	7,799,958.3	8,578,056.18
			A	0	0	0	778,097.88

## Other Cost

Ingeniería e Inspección	P				70,250,000
	P(a)			82,890,056.18	84,234,180.73
	A			0	1,344,124.55
Administración	P				46,154,000
	P(a)			27,600,000	27,600,000
	A			0	0
Auditoría Externa	P				330,000
	P(a)			180,000	180,000
	A			0	0
Evaluación Medio Término y Final, Monitoreo y Evaluación	P				120,000
	P(a)			100,000	100,000
	A			0	0
Imprevistos	P				65,389,000
	P(a)			64,447,352.32	64,447,352.32
	A			0	0
Escalamiento	P				61,260,000
	P(a)			46,239,803.08	46,239,803.08
	A			0	0
Costos Financieros	P				126,355,000
	P(a)			112,452,190.92	126,830,000
	A			0	14,377,809.08

## Total Cost

Total Cost	P				1,309,772,000
	P(a)			978,914,186.08	1,087,522,336.65
	A			0	108,608,150.57

**CHANGES TO THE MATRIX**

No information available for this section

# PMR Public Report

## IMPLEMENTATION STATUS AND LEARNING

Lesson Learned - Categories