

PMR Operational Report

Operation Number	BR-L1491	Chief of Operations Validation Date	10/21/20
Year- PMR Cycle	First period Jan-Jun 2020	Division Chief Validation Date	
Last Update	10/07/20	Country Representative Validation Date	
PMR Validation Stage	Validated by Chief of Operations		

Basic Data

Operation Profile

Operation Name	CELESC-D Energy Infrastructure Investment Program	Loan Number	4404/OC-BR
Executing Agency	Centrais Elétricas de Santa Catarina	Sector/Subsector	ENERGY-ENERGY SECTOR REHABILITATION AND EFFICIENCY
Team Leader	ALARCON, ARTURO	Overall Stage	Disbursing (From eligibility until all the Operations are closed)
Operation Type	Loan Operation	Country	Brazil
Lending Instrument	Investment Loan	Convergence related Operation(s)	
Borrower	Centrais Elétricas de Santa Catarina		

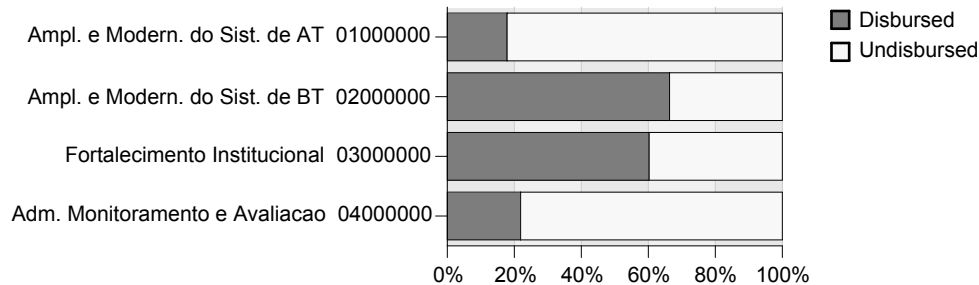
Environmental and Social Safeguards

Impacts Category	B	Was/Were the objective(s) of this operation reformulated?	NO
Safeguard Performance Rating		Date of approval	
Safeguard Performance Rating - Rationale			

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
BR-L1491	276,051,000	276,051,000	101,229,500	0	377,280,500	276,051,000	123,330,447.54	44.68%	152,720,552.46
Aggregated	276,051,000	276,051,000	101,229,500	0	377,280,500	276,051,000	123,330,447.54	44.68%	152,720,552.46

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

IMPACTS

No information available for this section

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RESULTS MATRIX

OUTCOMES

Outcome Nbr. 0: Celesc-D tiene la capacidad de atender la demanda eléctrica proyectada, a través de la ampliación y modernización de su red de distribución.

Observation:

Indicator	Unit of Measure	Baseline	Baseline Year		2018	2019	2020	2021	2022	2023	EOP 2023
0.0	Demanda Eléctrica atendida por Celesc-D	GWh/año	22.94	2016	P	24,459.00	25,209.00	25,974.00	26,723.00	28,213.00	28,213.00
					P(a)	24,459.00	25,209.00	25,974.00	26,723.00	28,213.00	28,213.00
					A	24,459.00	25,612.37				

Details

Means of verification: Reporte de Celesc-D

Observations: Incluye la demanda total atendida por CELESC en su área de concesión (mercado cautivo y mercado libre). No incluye pérdidas

Pro-Gender	No	Pro-Ethnicity	No
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Indicator	Unit of Measure	Baseline	Baseline Year		2018	2019	2020	2021	2022	2023	EOP 2023
0.1	Subestaciones con carga superior a 90%	%	39.00	2016	P	45.00	37.00	31.00	34.00	32.00	32.00
					P(a)	45.00	37.00	31.00	34.00	32.00	32.00
					A	45.00	45.00				

Details

Means of verification: Reporte de Celesc-D

Observations: Subestaciones con un transformador con carga superior a 90% en el periodo

Pro-Gender	No	Pro-Ethnicity	No
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Indicator	Unit of Measure	Baseline	Baseline Year		2018	2019	2020	2021	2022	2023	EOP 2023
0.2	Nuevos hogares conectados a la red	# of households	2,200,000.00	2016	P	64,149.00	67,356.00	70,051.00	72,152.00	72.15	72,152.00
					P(a)	64,149.00	67,356.00	70,051.00	72,152.00	72.15	72,152.00
					A	64,149.00	63,417.00				

Details

Means of verification: Reporte de Celesc-D

Observations: Nuevos usuarios residenciales conectados por Celesc-D

Pro-Gender	No	Pro-Ethnicity	No
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Outcome Nbr. 1: Celesc-D mejora la calidad del suministro eléctrico y sus indicadores de gestión, disminuyendo la duración y frecuencia de cortes y sus pérdidas no técnicas.

Observation:

Indicator	Unit of	Baseline	Baseline		2018	2019	2020	2021	2022	2023	EOP 2023
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OUTCOMES

		Measure		Year								
1.0	Duración Equivalente de Interrupción por Unidad Consumidora (DEC)	horas/	12.83	2016	P	12.58	11.56	11.30	10.33	10.33	10.33	10.33
					P(a)	12.58	11.56	11.30	10.33	10.33	10.33	10.33
					A	10.62	10.79					

Details

Means of verification: Reporte de Celesc-D – calculado en base a metodología de ANEEL (Prodíst módulos 7 y 8)

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

Indicator	Unit of Measure	Baseline	Baseline Year		2018	2019	2020	2021	2022	2023	EOP 2023
1.1	Frecuencia Equivalente de Interrupción por Unidad Consumidora (FEC)	cortes/	8.69	2016	P	8.69	8.69	8.65	8.06	8.06	8.06
					P(a)	8.69	8.69	8.65	8.06	8.06	8.06
					A	7.31	7.44				

Details

Means of verification: Reporte de Celesc-D – calculado en base a metodología de ANEEL (Prodíst módulos 7 y 8)

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

Indicator	Unit of Measure	Baseline	Baseline Year		2018	2019	2020	2021	2022	2023	EOP 2023
1.2	Pérdidas Eléctricas Totales	% de demanda	8.99	2016	P	8.20	7.77	7.59	7.49	7.49	7.49
					P(a)	8.20	7.77	7.59	7.49	7.49	7.49
					A	8.68	8.75				

Details

Means of verification: Reporte de Celesc-D – calculado en base a metodología de ANEEL (Prodíst módulos 7 y 8)

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

RESULTS MATRIX

OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

Component Nbr. 1 Componente I: Ampliación y Modernización del Sistema de Distribución de Alta Tensión

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2020	EOP 2023	2020	EOP 2023
1.1	Potencia de nuevas subestaciones eléctricas instalada	MVA	P	213.93	783.08	22,941,594.4	64,435,196
			P(a)	40	743.08	582,176.57	43,699,582.82
			A	12.29	141.69	313,177.11	7,744,465.66
1.2	Potencia de subestaciones eléctricas existentes ampliada	MVA	P	191.32	609.01	6,621,903.46	27,855,359.97
			P(a)	58	327.87	933,145.41	25,274,535.38
			A	46.32	122.35	244,004.74	9,428,365.51
1.3	Nuevos kilómetros de líneas de distribución instalados	Electricity transmission and d	P	98.8	345	20,267,080.26	61,337,224.57
			P(a)	25	352.5	5,843,597.92	55,720,828.41
			A	10	30.7	2,819,134.64	8,847,737.73
1.4	Equipos para renovación y sustitución de subestaciones eléctricas instalados	Equipo instalado	P	123	614	1,628,654.93	8,813,039.46
			P(a)	118	614	1,020,099.85	6,789,481.4
			A	37	37	344,343.49	344,343.49

Component Nbr. 2 Componente II: Ampliación y Modernización del Sistema de Distribución de Media y Baja Tensión

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2020	EOP 2023	2020	EOP 2023
2.1	Potencia de transformación en la red de distribución de media tensión ampliada	MVA	P	200	771	16,116,992	57,725,368.44
			P(a)	85	653.04	17,069,289.03	59,749,752.89
			A	24.01	492.05	6,626,644.51	45,314,255
2.2	Nuevos alimentadores instalados	Alimentador	P	75	300	9,722,478.67	31,494,848.81
			P(a)	75	284	11,362,024.81	26,129,564.06
			A	42	176	4,323,386.75	14,084,193.81
2.3	Kilómetros de red de distribución mejorados	Electricity transmission and d	P	130	448	3,713,154.67	14,108,732.06
			P(a)	380	1,019.96	9,510,261.6	23,632,169.7
			A	229.45	814.41	3,513,235.74	16,380,006.75
2.4	Medidores de electricidad instalados	Medidor instalado	P	206,542	1,045,316	11,346,040.53	55,796,086.13
			P(a)	230,183	1,045,316	3,831,431.57	43,366,679.35
			A	69,686	442,872	1,883,185.09	18,622,341.39
2.5	Equipos de distribución reemplazados	Equipo instalado	P	568	2,380	5,069,660.53	21,332,196.56
			P(a)	880	2,338	9,636,875.47	25,215,721.65
			A	589	1,426	3,432,216.44	12,864,287.96

RESULTS MATRIX

OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

Component Nbr. 3 Componente III: Fortalecimiento Institucional

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2020	EOP 2023	2020	EOP 2023
3.1	Sistema informático actualizado	Data Center Actualizado	P	1	1	2,516,759	8,956,565.29
			P(a)	1	1	2,493,421.33	5,975,781.52
			A	0	0	1,745,394.94	5,227,755.13
3.2	Equipos de cómputo (desktops) adquiridos e instalados +Thin Clients (1200+100)	Equipo instalado	P	0	1,300	0	1,451,672.35
			P(a)	12	1,312	51,191.85	2,183,479.58
			A	12	1,312	35,834.29	2,168,122.02
3.3	Equipos de cómputo (laptops) adquiridos e instalados	Equipos	P	0	200	0	335,199.85
			P(a)	600	800	0	541,518.12
			A	0	200	0	541,518.12
3.4	Estrategia de género de CELESC diseñada e implementada	Estrategia	P	0	1	56,332.53	225,330.12
			P(a)	0	1	194,064.06	502,428.06
			A	0	0	25,734.03	25,734.03
3.5	Módulos de capacitación sobre el sector eléctrico desarrollados e implementados en el Programa "Joven Aprendiz"	Modulo	P	1	2	803,042.6	3,212,170.39
			P(a)	1	2	267,841.86	4,663,699.86
			A	0	0	139,035.8	139,035.8

Other Cost

	Auditoria y evaluación del programa	P			93,750	468,750
		P(a)			25,000	410,595
		A			0	0
	Coordinación y monitoreo de la ejecución del programa	P			535,200	2,676,000
		P(a)			535,200	2,948,661.45
		A			132,430.12	708,506.57
	Juros	P			5,326,291.85	33,004,733.36
		P(a)			5,326,291.85	33,561,991.98
		A			2,345,685.46	5,960,836.58
	Comisión de crédito	P			681,830	2,215,021
		P(a)			681,830	2,000,724.96
		A			405,072.15	1,184,763.11

Total Cost

	Total Cost	P			107,440,765.43	395,443,494.36
		P(a)			69,363,743.18	362,367,196.19
		A			28,328,515.3	149,586,268.66

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CHANGES TO THE MATRIX

Section	Name	Reasons	Type of Change	Subtype	Modified By	Entered in the System
Output	Equipos de cómputo (desktops) adquiridos e instalados +Thin Clients (1200+100)	Ajuste realizado no planejamento para 2020. Trata-se de uma exceção por conta da pandemia do COVID-19.	Modify Output	Modify Financial EOP P(a) value - caused by a change in the Financial P(a).	PAULAG	09/30/2020
	Equipos de cómputo (laptops) adquiridos e instalados	Ajuste realizado no planejamento para 2020. Trata-se de uma exceção por conta da pandemia do COVID-19.	Modify Output	Modify Physical EOP P(a) value - caused by a change in the Physical P(a).	PAULAG	09/30/2020
	Equipos de distribución reemplazados	Ajuste realizado no planejamento para 2020. Trata-se de uma exceção por conta da pandemia do COVID-19.	Modify Output	Modify Financial EOP P(a) value - caused by a change in the Financial P(a).	PAULAG	09/30/2020
				Modify Physical EOP P(a) value - caused by a change in the Physical P(a).	PAULAG	09/30/2020
	Equipos para renovación y sustitución de subestaciones eléctricas instalados	Ajuste realizado no planejamento para 2020. Trata-se de uma exceção por conta da pandemia do COVID-19.	Modify Output	Modify Financial EOP P(a) value - caused by a change in the Financial P(a).	PAULAG	09/30/2020
	Estrategia de género de CELESC diseñada e implementada	Ajuste realizado no planejamento para 2020. Trata-se de uma exceção por conta da pandemia do COVID-19.	Modify Output	Modify Financial EOP P(a) value - caused by a change in the Financial P(a).	PAULAG	09/30/2020
	Kilómetros de red de distribución mejorados	Ajuste realizado no planejamento para 2020. Trata-se de uma exceção por conta da pandemia do COVID-19.	Modify Output	Modify Financial EOP P(a) value - caused by a change in the Financial P(a).	PAULAG	09/30/2020
				Modify Physical EOP P(a) value - caused by a change in the Physical P(a).	PAULAG	09/30/2020
	Medidores de electricidad instalados	Ajuste realizado no planejamento para 2020. Trata-se de uma exceção por conta da pandemia do COVID-19.	Modify Output	Modify Financial EOP P(a) value - caused by a change in the Financial P(a).	PAULAG	09/30/2020
	Módulos de capacitación sobre el sector eléctrico desarrollados e implementados en el Programa "Joven Aprendiz"	Ajuste realizado no planejamento para 2020. Trata-se de uma exceção por conta da pandemia do COVID-19.	Modify Output	Modify Financial EOP P(a) value - caused by a change in the Financial P(a).	PAULAG	09/30/2020
	Nuevos alimentadores instalados	Ajuste realizado no planejamento para 2020. Trata-se de uma exceção por conta da pandemia do COVID-19.	Modify Output	Modify Financial EOP P(a) value - caused by a change in the Financial P(a).	PAULAG	09/30/2020
				Modify Physical EOP P(a) value - caused by a change in the Physical P(a).	PAULAG	09/30/2020
	Nuevos kilómetros de líneas de distribución instalados	Ajuste realizado no planejamento para 2020. Trata-se de uma exceção por conta da pandemia do COVID-19.	Modify Output	Modify Financial EOP P(a) value - caused by a change in the Financial P(a).	PAULAG	09/30/2020
				Modify Physical EOP P(a) value - caused by a change in the Physical P(a).	PAULAG	09/30/2020
	Potencia de nuevas subestaciones eléctricas instalada	Ajuste realizado no planejamento para 2020. Trata-se de uma exceção por conta da pandemia do COVID-19.	Modify Output	Modify Financial EOP P(a) value - caused by a change in the Financial P(a).	PAULAG	09/30/2020
				Modify Physical EOP P(a) value - caused by a change in the Physical P(a).	PAULAG	09/30/2020
	Potencia de subestaciones eléctricas existentes ampliada	Ajuste realizado no planejamento para 2020. Trata-se de uma exceção por conta da pandemia do COVID-19.	Modify Output	Modify Financial EOP P(a) value - caused by a change in the Financial P(a).	PAULAG	09/30/2020
				Modify Physical EOP P(a) value - caused by a change in the Physical P(a).	PAULAG	09/30/2020
	Potencia de transformación en la red de distribución de media tensión ampliada	Ajuste realizado no planejamento para 2020. Trata-se de uma exceção por conta da pandemia do COVID-19.	Modify Output	Modify Financial EOP P(a) value - caused by a change in the Financial P(a).	PAULAG	09/30/2020
				Modify Physical EOP P(a) value - caused by a change in the Physical P(a).	PAULAG	09/30/2020
	Sistema informático actualizado	Ajuste realizado no planejamento para 2020. Trata-se de uma exceção por conta da pandemia do COVID-19.	Modify Output	Modify Financial EOP P(a) value - caused by a change in the Financial P(a).	PAULAG	09/30/2020

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IMPLEMENTATION STATUS AND LEARNING

Lesson Learned - Categories
Others - Fiduciary Dimensions
Project Monitoring & Evaluation