### Policy Research Working Paper 9692

Regional or cross-border trade of electricity would be benecial for all trading partners for multiple reasons. However, cross-border electricity trade in Latin America is limited,

# **How Much**

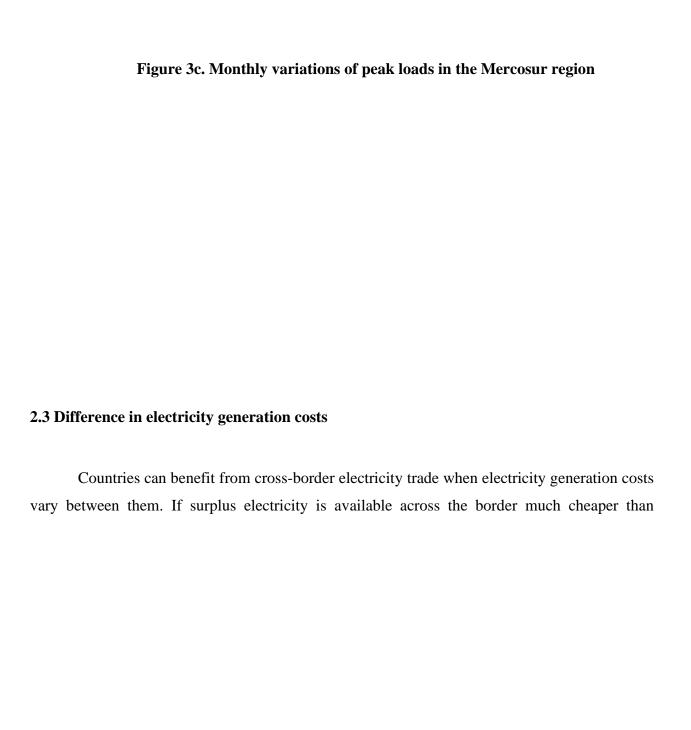
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The markets for electricity in both regions are highly interconnected. Regional electricity trade has also been initiated in other areas, such as in different parts of Africa, in the Middle East,



to run or spinning reserve

The total installed capacity above



#### 2.3.2 Difference in

The study considers three scenarios: baseline scenario, sub-regional trading scenario and full-regional trading scenario.

El Salvador 252 378 82 548 612 - 474

# **4. Results from Model Simulations**

This section presents key results from the model simulations.

Figure 5. The volume of total

needed, that are well beyond the scope of this study. However, we made some rough estimations of investments needed on transmission interconnections to realize the cross-border electricity trade indicated by our model. <sup>10</sup> Our estimates show that

Figure 9. Savings in electricity generation costs from the baseline (%)
4.3 Impacts on the generation mix  Cross-border trade affects the operation of existing electricity generation plants and hence the generation mix. Electricity pe 6( )T

t a regional level, the generation mix is unlikely to change significantly because the c	hances are

### **Table 6. Electricity**

Argentina

Figure A3: Hourly load curves by month in the Mercosur region

## Figure A4

Figure A6. Monthly variations	of peak loads in the Central	region

Capacity in MW retired

\_ =

## Bolivia

provides data installed capacity and generation (CNE, 2021). The Transactions Unit (UT, Unidad de Transacciones), the agency responsible for the operation and control of the national grid, publishes extensive data on the grid system including hourly load curves, fuel prices

The Empresa Nacional de Energía Eléctrica (ENEE), the state-owned power company is

expansion of the power sect	tor of Nicaragua	including scena	arios for medium-d	emand projections

## República Bolivariana de Venezuela

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