

# IESO Planning and Energy Support Programs

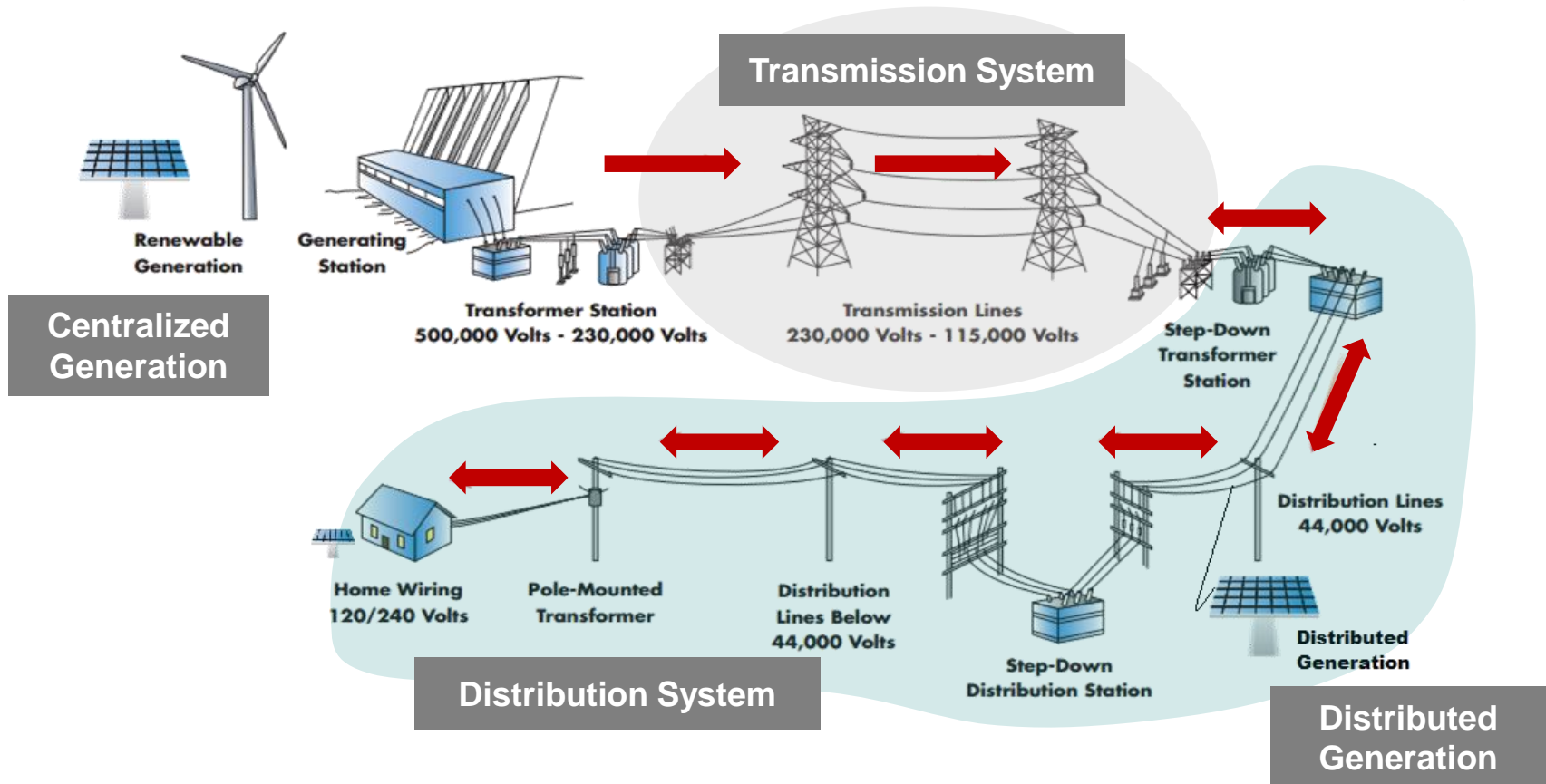
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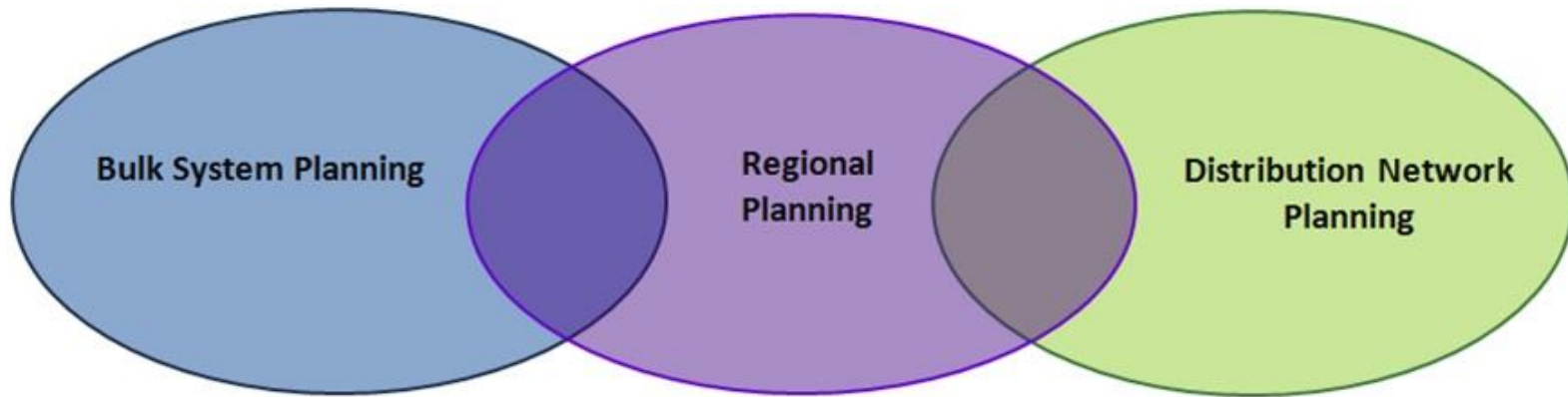
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May 4, 2017

# Components of a Typical Electric Power System



# Types of Electricity Planning



**Addresses** provincial electricity system needs and policy directions

**Ministry of Energy**

**IESO**

**Asset Owners**

(e.g. Transmitter, Large Generators)

**Integrates** local electricity priorities with provincial policy directions & system needs

**IESO**

**Transmitters**

**Local Distribution Companies**

**Examines** local electricity needs and priorities at the community-level

**Local Distribution Companies**

**First Nation communities, Métis, municipalities and industry stakeholders**

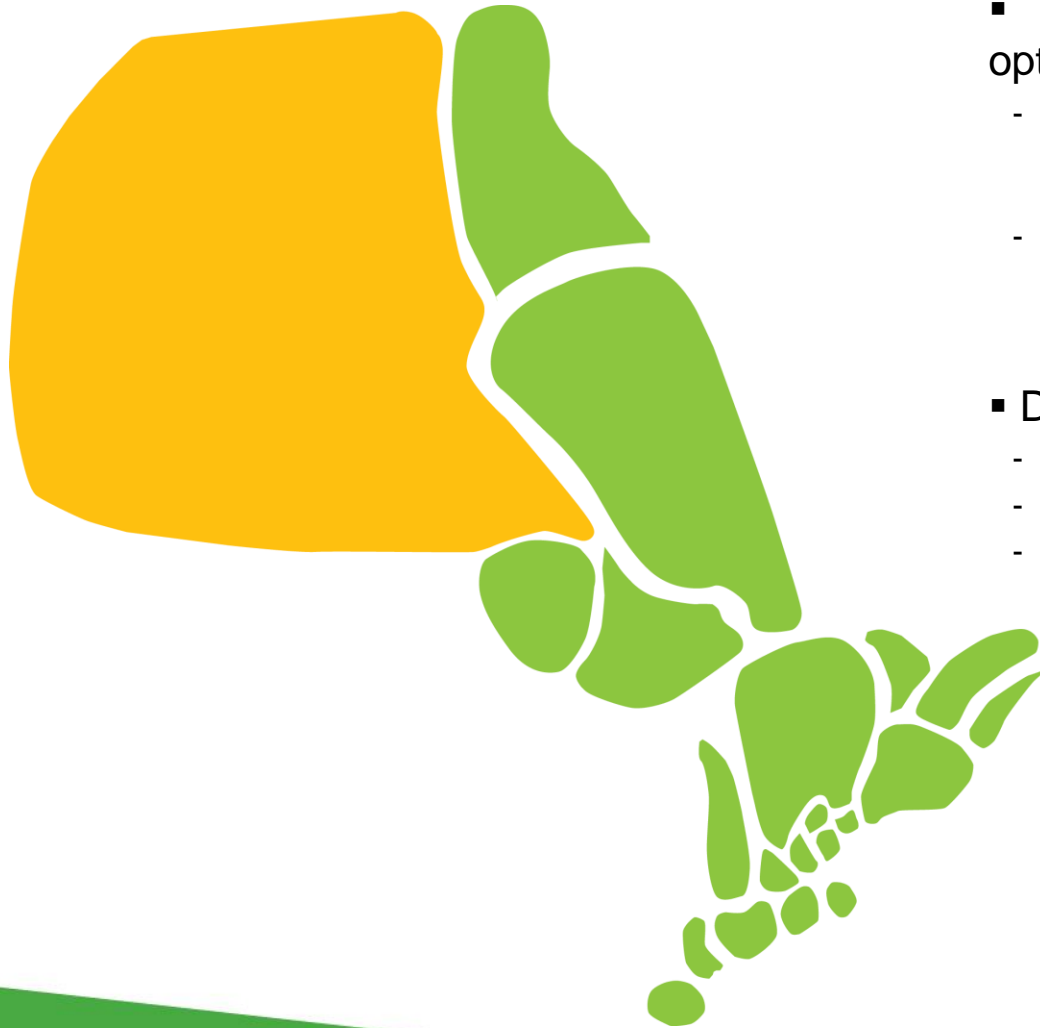
Provide local information that may include:

Community preferences, baseline information, growth projections, energy supply and reliability needs, energy projects under development and community energy plans

# Examples and Opportunities: Priority Projects

- Today's Priority Projects were identified in the 2013 Long-Term Energy Plan
  - East-West Tie Transmission Expansion Project
  - Northwest Bulk Transmission Line
  - New Line to Pickle Lake
  - Remote Community Connection Project
- All of these projects are currently in development
- The designated transmitter for the New Line to Pickle Lake and the connection of 17 remote communities is 51% First Nation-owned
- A new Long-Term Energy Plan is scheduled for 2017
  - Community engagement will be held in October/November 2016

# IESO Regional Electricity Planning



- A process for identifying and evaluating options to meet regional electricity needs
  - Being carried out by local utilities, transmitter and the IESO with involvement and input from local communities
  - To provide communities, customers and stakeholders with the IESO's independent assessment of the technically feasible and least societal cost options for meeting the various needs in the area.
- Develop a 20-year plan
  - Near-term Implementation Plan
  - Roadmap for longer-term development
  - Revisit and/or revise a minimum every 5 years
- Integrated approach: looks at conservation, generation, wires and other innovative solutions

# Community Engagement

- Community engagement lays the foundation for successful implementation of regional plans
  - Local Advisory Committees, community working groups and community visits are some venues used for engaging with communities
- Engagement provides value in the regional planning process
  - Provides input and recommendations for consideration in the plan, including potential options
  - Opportunities for communities to become proponents, partners and/or owners of solutions
  - Provides a gauge for the potential for community-based non-wires solutions

# Example: Greenstone-Marathon

## Scope:

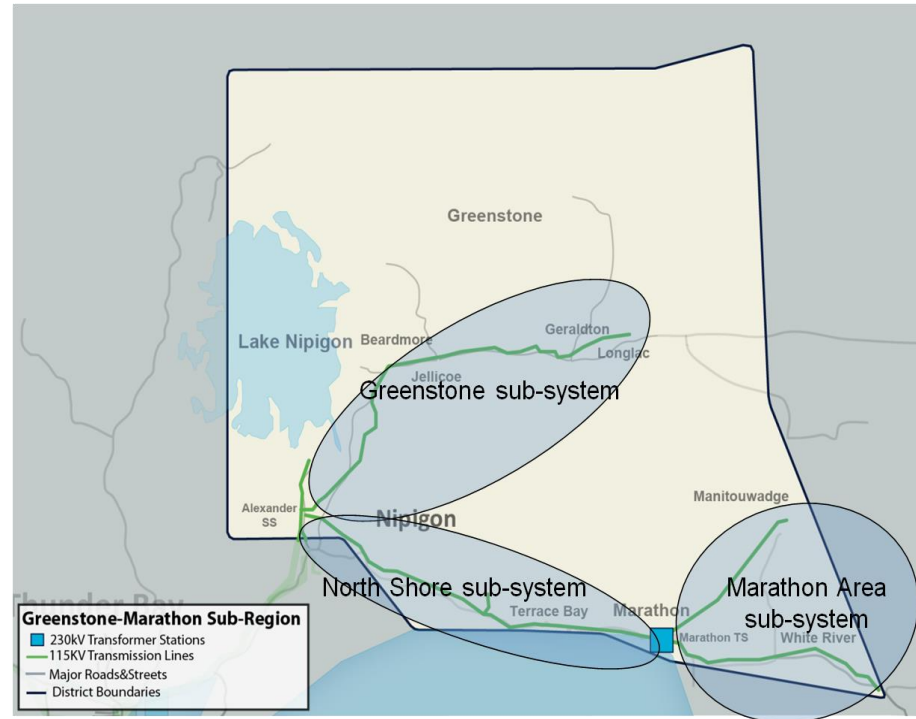
- Supply to Greenstone
- Supply to North Shore
- Supply to Marathon Area

## Key Drivers:

- Mining development
- Gas to oil pipeline conversion
- Recovery of forestry industry
- Growth in communities

## Status:

- An IRRP report has been developed and is posted on the IESO website
- A First Nation proponent is proposing to build a new 230 kV line to the Greenstone area to meet future demand needs of the mine and pipeline projects



For more information on the Greenstone & Marathon regional planning activities, please see:

Website: <http://www.ieso.ca/Pages/Ontario's-Power-System/Regional-Planning/Northwest-Ontario/Greenstone-Marathon.aspx>

Community Engagement: <http://www.ieso.ca/Pages/Participate/Regional-Planning/Northwest-Ontario/Greenstone-Marathon.aspx>

# Planning Summary

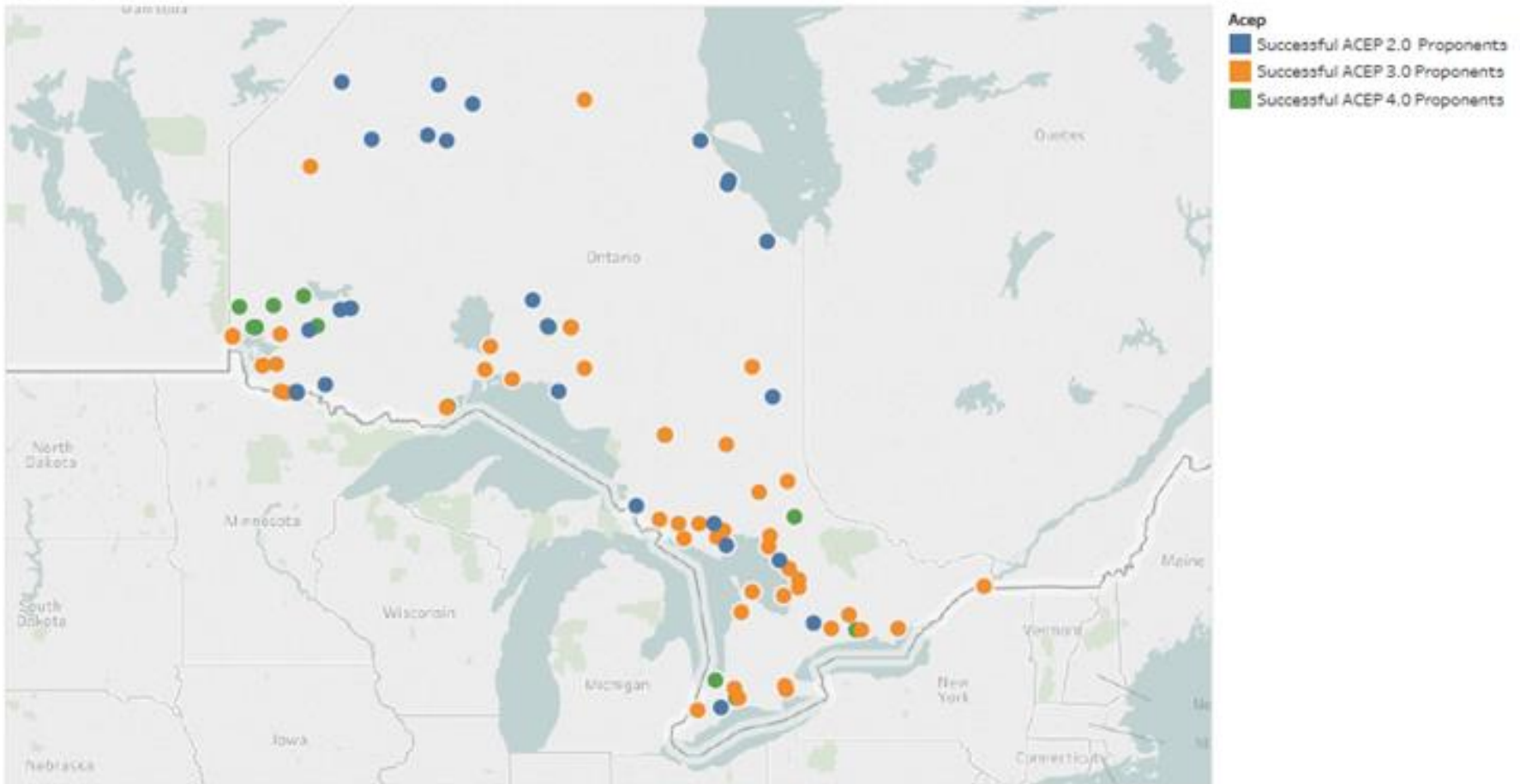
- Planning for electricity infrastructure in the province is done on many levels, all have opportunities for communities to be involved
  - The Long-Term Energy Planning process sets the provincial policy priorities
  - Regional Planning considers regional needs and works with local communities and utilities to meet these needs
- Participating in engagement activities is a valuable way to be involved in planning for the future of your region
- IESO offers funding programs to help support communities in participating in the electricity sector



# Aboriginal Community Energy Plan- ACEP

- Up to \$90,000 to develop a new plan
  - 2 years to complete the plan
- Up to \$25,000 to update a plan
  - 1 year to update the plan
- \$5000 additional for remote communities
- Can apply anytime

## ACEP Map



Map based on Longitude (generated) and Latitude (generated). Color shows details about Acep. Details are shown for Name, Full Address and Website. The view is filtered on Acep, which keeps Successful ACEP 2.0 Proponents, Successful ACEP 3.0 Proponents and Successful ACEP 4.0 Proponents.

# Current programs – summary

The IESO Energy Support Programs build community energy resiliency by supporting communities to participate in Ontario's green energy future.

Aboriginal Community Energy Plan (ACEP)	Education and Capacity Building Program (ECB)	Energy Partnerships Program (EPP)
<b>Assist</b> Indigenous communities in developing a long term plan to improve energy efficiency, reduce electricity consumption and assess opportunities for green energy and conservation solutions.	<b>Support</b> education and capacity building initiatives for Indigenous communities, municipalities, public sector entities, co-operatives, registered charities and not-for-profit organizations in the ongoing development of Ontario's diverse green energy sector.	<b>Promote</b> broad participation in Ontario's diverse energy sector by providing funding support to indigenous communities, co-operatives, municipalities and public sector entities to develop energy projects.

# Education and Capacity Building - ECB

- Up to \$100,000 per initiative
- Three categories
  - Implement community energy plan
  - Skills and capacity development
  - Open category (innovative, unique)
- Call for proposals coming soon

# Energy Partnerships Program (EPP)

FUNDING STREAMS	First Nation and Métis Communities	Maximum Funding Available
<b>PARTNERSHIP STREAM</b> Funding for the legal, technical and financial due diligence to explore Project Partnerships	FIT Projects	\$50,000
	LRP Projects	
	Transmission Projects	\$50,000 (per Community)
<b>PROJECT DEVELOPMENT STREAM</b> Funding for the soft costs associated with developing a renewable energy project	FIT Projects	<ul style="list-style-type: none"> <li>• \$75,000 for Single FIT Projects</li> <li>• \$250,000 a for FIT Project Portfolio (4 or more FIT Projects)</li> </ul>

# EPP Activities

## Partnership stream

- Legal, technical due diligence
- Early stage business planning
- Community engagement

## Project development

- Legal, technical due diligence
- Environmental assessments
- Community engagement

## Remote sub-stream

- Legal, technical due diligence
- Legal services
- Community engagement

- Can apply anytime

# Investments to date – financial summary

<b>Current investments</b>	
ACEP	\$8,678,686
ECB	\$2,200,462
EPP	\$1,239,870
<b>Legacy investments</b>	
AREF	\$8,552,213
ATF	\$150,000
CEPP	\$11,528,477
MPSEPP	\$13,000
<b>Total</b>	<b>\$32,332,707</b>

# Tips for Submitting a Funding Application

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- ✓ Review the Program Rules thoroughly, and ask questions if you are unsure about anything. We would be happy to answer any questions via email or telephone.
- ✓ Follow the Instructions on the Application Form, and complete every field that is required.
- ✓ Double-check you have attached every required document.
- ✓ Provide a clear Work Plan, Budget and Project Team. A clear outline of the work that will be done, the costs required for that work, and who will be completing the work will allow the Evaluation Team to have a clear understanding of what the funding will be used for.
- ✓ Remember, your Application or Proposal is the only information the Evaluation Team reviews, so make sure you are presenting them with the full description of what you are undertaking and how.
- ✓ Be aware of the timelines. Plan accordingly to ensure you will be able to submit all documents, and receive all the required signatures before the Application Deadline.
- ✓ Have clear success measures. What will the project accomplish and how will the funding allow you to achieve success with the project or initiative.



# Contact information

- [ieso.ca/get-involved/regional-planning](https://ieso.ca/get-involved/regional-planning)
- [ontarioregionalplanning@ieso.ca](mailto:ontarioregionalplanning@ieso.ca)
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