

CEA Reliability Workshop
October 20, 2004

Dave Barrie
Sr Vice President - Asset Management
Hydro One Networks



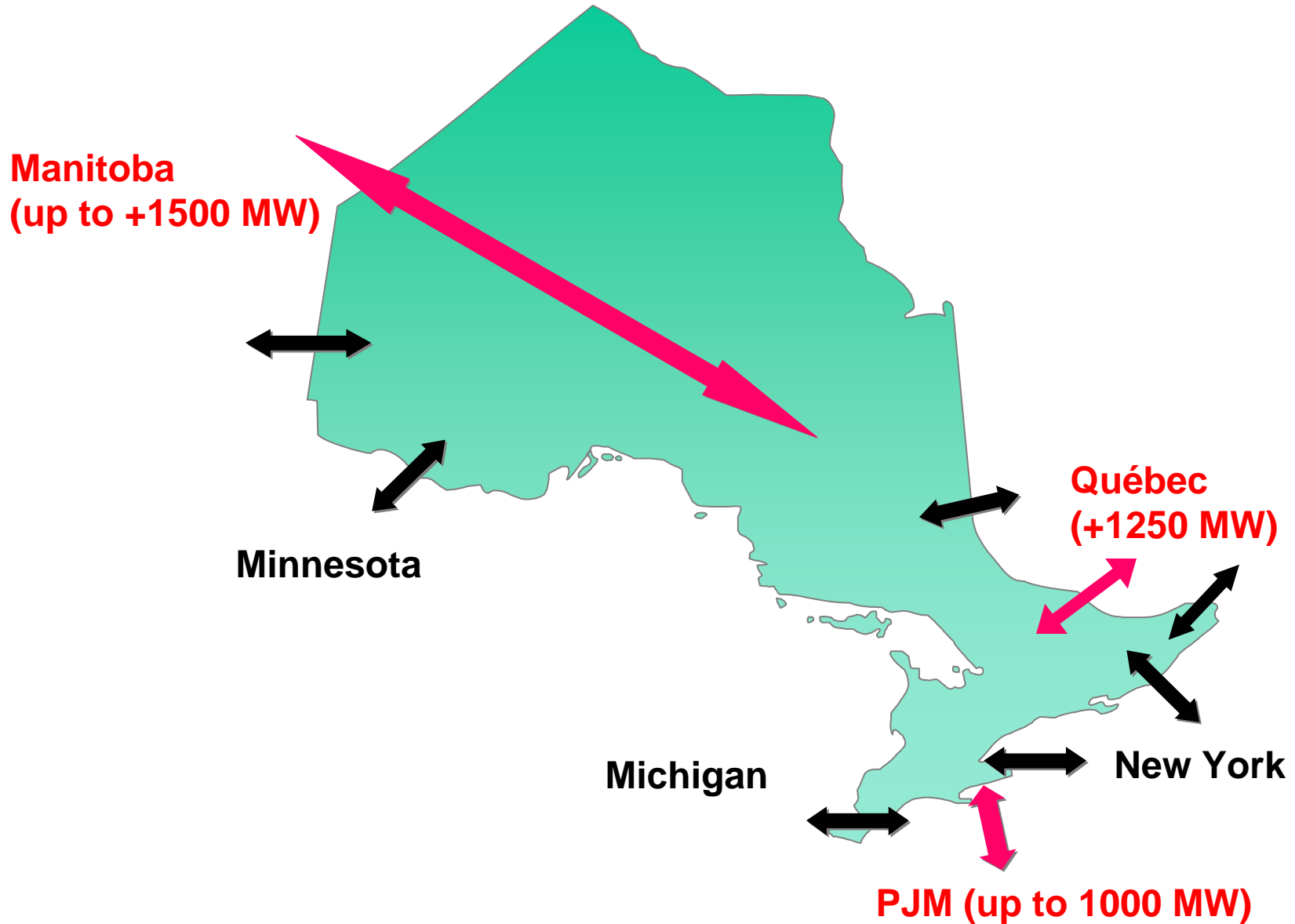
**New
Interconnections**



Existing Interconnection Capabilities



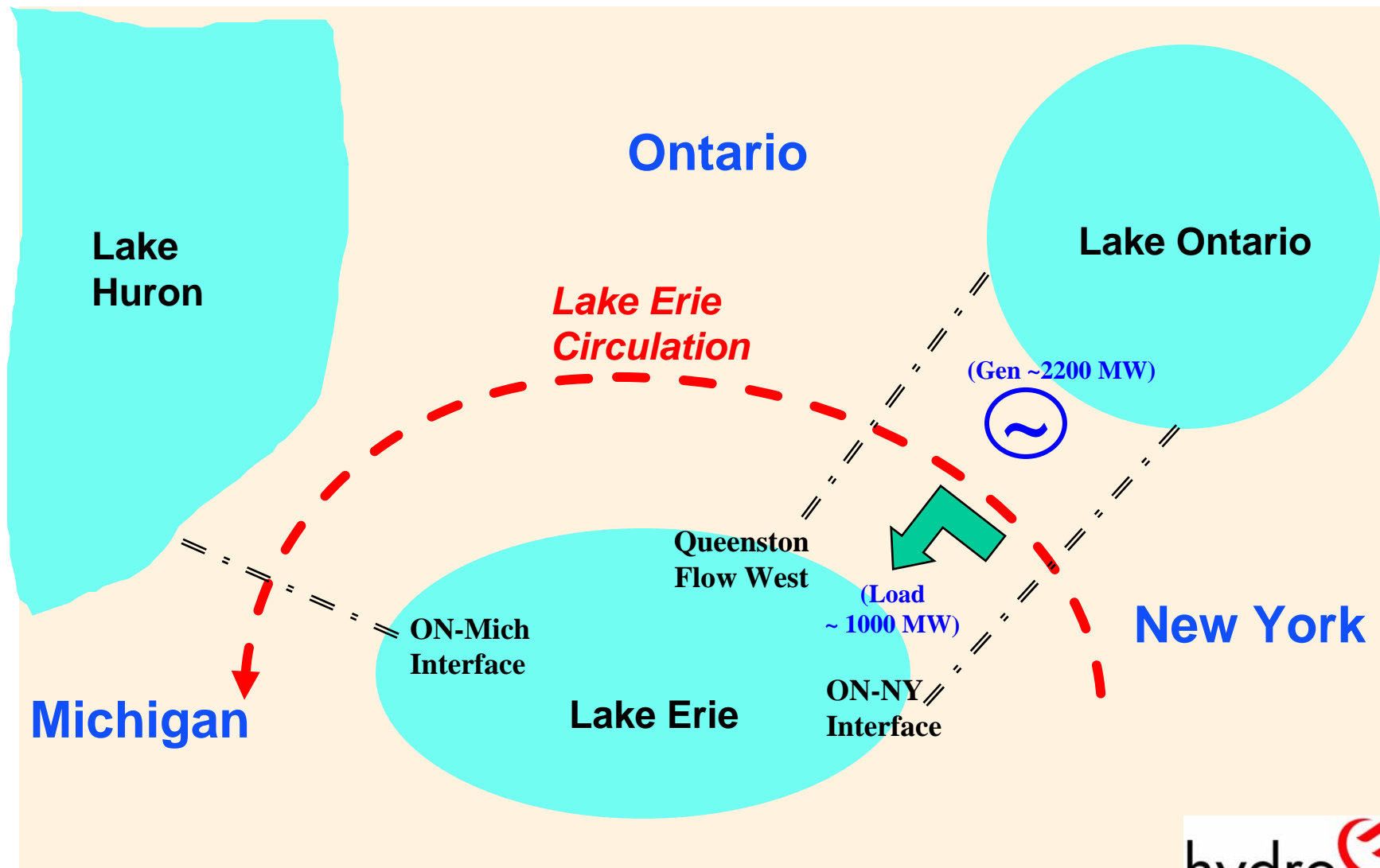
Potential Interconnection Expansions



HVDC Link under Lake Erie

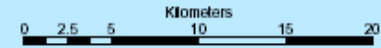


Ontario - Michigan - New York Interconnections



Niagara Area 230kV Reinforcement

LAKE ONTARIO



1:364,406



New York

USA

BURLINGTON TS

BEACH TS

NEALE JCT

HANNON JCT

BECK #2 TS

MIDDLEPORT TS

ALLANBURG TS

CALEDONIA TS

Rebuild 65km
115kV to 230kV

10 km
new 230kV

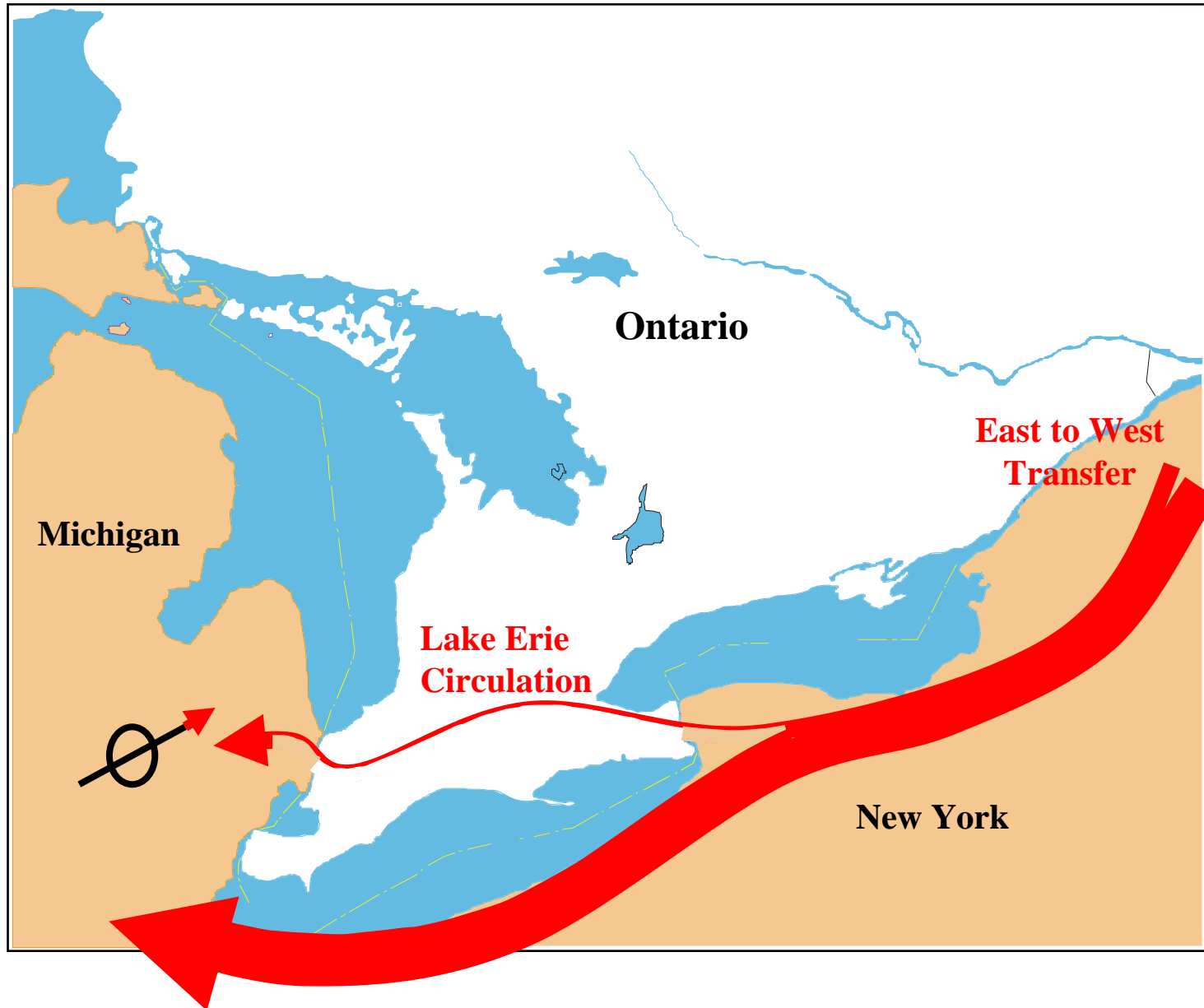
QFW

MAP PROVIDED BY THE SUBMITTER
Hydro One
Contract: 0909-0802000 P09.0
City: Niagara Falls
Date: Jan 2009



©Copyright 2009 Hydro One Inc. All rights reserved. No part of this document may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or by any information storage or retrieval system, without the prior written permission of Hydro One Inc. For more information, please contact Hydro One Inc. at 1-800-387-2264.

Parallel Path Flows Through Ontario



Key Issues

- Expansion opportunities
- Mutual benefits / common need
- Internal transmission reinforcements
- Parallel or loop flow issues
- Funding and cost sharing
- Siting challenges
- Streamline approval processes



**New
Interconnections**

hydro 
one