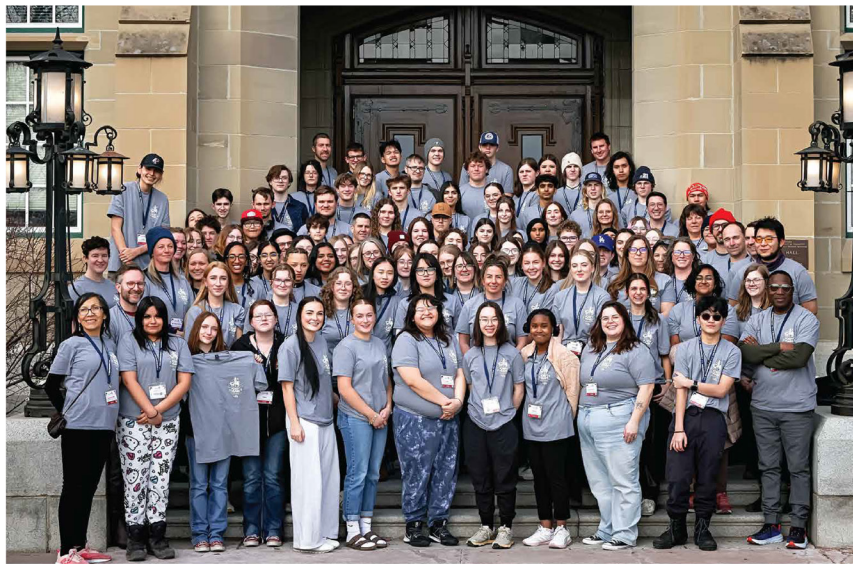


# gener8

## *Energy & Climate Youth Leadership Summit*

# ***SUMMARY REPORT***

*March 13-16, 2025 | Calgary, Alberta*



Inside  
education



# GENERATE 2025

Inside Education is proud to highlight the **Generate 2025 - Energy & Climate Youth Leadership Summit** and the positive, lasting impacts of this experiential learning summit. Generate 2025 was Inside Education's 14th Youth Leadership Summit and the first to invite participants from across the country.

Generate 2025: Energy and Climate Youth Leadership Summit brought together teams of four students and two teachers from 20 high schools across Canada. Over the course of the program, participants engaged with 45 expert guests to build understanding about the energy and climate landscape. Participants took part in immersive discussions on critical issues, emerging innovations, and the future of sustainable energy, all while exploring their roles as environmental leaders!

Building on the knowledge and skills gained at Generate 2025, each team will share their knowledge from the summit with their communities through an energy leadership and action project to be completed by the end of the school year.

19 COMMUNITIES 

20 HIGH SCHOOLS 

80 STUDENTS 

40 TEACHERS 

45 EXPERT GUESTS 

20 SCHOOL-BASED PROJECTS 

1 AMAZING EXPERIENCE



“What a phenomenal learning experience for students coming across the country. You have provided them with opportunities that would not have been possible without your support. We are taking back ideas for lessons, school wide activities and community engagement that support our goal of a more sustainable future. THANK YOU!

- Allison Somers, Clarendville High, Newfoundland”





# THE PARTICIPANTS

Inside Education brought together 120 high school students and teacher from across Alberta and Canada. Inside Education was delighted to have representation from 20 schools including four out-of-province schools and four First Nations.

The opportunities and challenges related to energy and climate are not restricted to provincial boundaries; by providing schools from across the country a full scholarship to attend, Inside Education was able to foster connections and spark meaningful conversations about the future of energy in Canada.



## Energy & Climate Youth Leadership Summit



- Athabasca Delta Community School  
*Fort Chipewyan, AB*
- Brooks Composite High School  
*Brooks, AB*
- Chestermere High School  
*Chestermere, AB*
- Dewberry School  
*Dewberry, AB*
- École H. J. Cody High School  
*Sylvan Lake, AB*
- Edwin Parr Composite School  
*Athabasca, AB*
- Fairview High School  
*Fairview, AB*
- Fort McMurray Composite High School  
*Fort McMurray, AB*
- Jack James High School  
*Calgary, AB*
- Jasper Junior/Senior High School  
*Jasper, AB*

- Lethbridge Collegiate Institute  
*Lethbridge, AB*
- Maskwacis Cree High School  
*Maskwacis, AB*
- Mother Margaret Mary High School  
*Edmonton, AB*
- Piikani Nation Secondary School  
*Piikani First Nation*
- Senator Gershaw School  
*Bow Island, AB*
- Vimy Ridge Academy  
*Edmonton, AB*
- Clareville High School  
*Clareville, NL*
- Eliza Van Bibber School  
*Whitehorse, YT*
- River East Collegiate  
*Winnipeg, MB*
- South Delta Secondary School  
*Delta, BC*



“


















*This summit has made me such a better person today, it has made me interact with my fellow youth who want to make a change, and that for me is very inspiring! It has pushed me into my limits intellectually and socially. It has been so much fun and I thank all the organizers, speakers, and Inside Education for this wonderful opportunity! Thank you so much!*

- James, Eliza Van Bibber School, Yukon

”

# THE PROGRAM

The goal of the Generate 2025 Summit was to educate students and teachers about the topics, issues, careers, and innovations related to energy and climate change across the country. Generate challenged them to think critically about the opportunities and challenges of using and developing energy, and what that means in the lens of climate change.

THURSDAY   MARCH 13	
	<b>OPENING RECEPTION</b> Meeting the Generate Leadership Teams <b>Speaker:</b> <i>Inside Education</i>
FRIDAY   MARCH 14	
	<b>ENERGY 101 - THE WHO, WHAT, AND WHERE OF ENERGY IN CANADA</b> Overview of Canada's energy landscape.
	<b>CANADA'S ENERGY FUTURE</b> TED-Talk-style presentation about climate change, Canada's energy future and the transition to net-zero. <b>Speakers:</b> <i>Vittoria Bellissimo - Canadian Renewable Energy Association, Janetta McKenzie - Pembina Institute, Bryan Helfenbaum - Alberta Innovates</i>
	<b>LIAISON MEETING</b> Meet your Inside Education Liaison and chat about your team's project!
	<b>ROUNDTABLES</b> Careers, technologies and innovations with 21 expert guests representing diverse roles in the energy sector <b>Speakers:</b> <i>Carbon Management Canada, Iron &amp; Earth, Varmer Energy, Strathcona Resources, ConocoPhillips Canada, Keyera, Society of Petroleum Engineers, Alberta Indigenous Opportunities Corporation, Suncor, BBA Engineering, TransAlta, ENMAX, Enhance Energy, Oviniv, TC Energy, Emissions Reduction Alberta, Pembina Pipeline, Bio Energy Solutions, Cenovus, Indigenous Lens Institute Inc., Canadian Natural</i>
	<b>ENERGY TOURS</b> An immersive tour through the Southern Alberta Institute of Technology to see how post-secondary institutions are tackling issues around energy efficiency and climate change. <b>Location:</b> <i>SAIT - MacPhail School of Energy</i>
	<b>CELEBRATION DINNER AT WINSPORT</b> Celebration Dinner with Keynote Speakers Anthony Johnson & Dr. James Makosis, the Two-Spirit winners of the Amazing Race Canada
SATURDAY   MARCH 15	
	<b>CARBON CAPTURE AND CLIMATE CHANGE INNOVATIONS</b> Learning about the innovations that are already helping to combat climate change! <b>Speaker:</b> <i>Candice Paton - Enhance Energy</i>
	<b>LIFE, ENERGY, AND THE UNKNOWN: EMBRACING THE MESSY FUTURE</b> Discovering the key experiences, challenges, and insights that shape a successful career in the energy sector. <b>Speaker:</b> <i>Tristan Walker - Massif Energy</i>
	<b>YOUTH PROJECT SHOWCASE</b> Former Generate Teams and other youth leaders share their youth summit projects to inspire this year's teams. <b>Speakers:</b> <i>Lethbridge Collegiate Institute, Piikani Nation Secondary School, Canadian Rockies Youth Network</i>
	<b>ENERGY AND RECLAMATION GALLERY</b> A series of interactive session featuring hands-on energy exhibits and engaging discussions with energy and climate experts! <b>Speakers:</b> <i>Shannon Carla King - Whiskey Jack Gallery, Tanya Richens - TCR Environmental Consulting Ltd., Capital Power Corporation, Canadian Geographic Education, Inside Education</i>
	<b>PROJECT PLANNING WORKSHOP</b> Networking and brainstorming with other delegates to gain inspiration in executing team projects.
	<b>TEACHER RESOURCE WORKSHOP</b> Resources and tips & tricks to elevate energy-linked units in the curriculum.
	<b>ENERGY TOURS</b> Tours of local energy projects to see first-hand energy and climate solutions in action on the landscape. <b>Location:</b> <i>CleanO2 Carbon Capture Technologies Inc., GoElectric Vehicle Corporation, Carbon Upcycling, Bonnybrook Wastewater Treatment Plant, Bow Valley College</i>
	<b>SOCIAL EVENING</b> A fun evening of dinner, dancing, and games.
SUNDAY   MARCH 16	
	<b>ENERGY AND CLIMATE WORKSHOPS</b> Join us for this hands-on workshop featuring interactive activities that explore energy and climate change! <b>Speakers:</b> <i>Lisa Pollio - Energy Safety Canada, Adam Young - Bank of Canada Museum, Aspen Dudzic - Alberta Forest Products Association, Sabrina Huot - Emerald Foundation, Natalie Darrah - Climate Change and Global Health Research Group (University of Alberta), Aaron Tan - MFC Olympics, Future Energy Systems (University of Alberta)</i>
	<b>FINAL THOUGHTS AND SUMMIT FAREWELL</b>

Overall, Generate 2025 helped participants foster a deeper understanding of energy and climate change by offering them a dynamic program with varying perspectives on these critical issues. By engaging with a diverse array of experts and exploring innovative solutions, participants were empowered to think critically about the future of energy.

“

*Inside Education, this has been a phenomenal experience for both my students and I! I greatly appreciated the diverse perspectives and the seamless integration of social and science issues, advancements, and technology.*

- Melissa McQueen, Ecole H.J. Cody School, Sylvan Lake

”





EXPERT GUESTS

Generate 2025 brought together 45 expert guests, each sharing their unique knowledge across a broad spectrum of fields including environmental science, post-secondary institutions, industry, non-profits, consulting, entrepreneurship, the arts, and government. Given the complexity of energy and climate change issues, this diverse group ensured that multiple perspectives were represented.

The Gala dinner hosted at Winsport brought together several program funders, board members, and keynote speakers Dr. James Makokis and Anthony Johnson. The Gala was opened up with a welcome address on behalf of Government of Alberta from Calgary MLA, Myles McDougall.

The opportunity for participants to engage with such a diverse group of experts significantly deepened their understanding of Canada’s energy and climate landscape. The breadth of experience showcased various career paths and encouraged participants to think critically about their own role in shaping Canada’s energy future.



Friday Energy and Climate Roundtable Experts

“As a current Grade 12 student, I can confidently say this was the most eye-opening experience of my schooling. Recently, I have been questioning if university was the right choice for me. This summit truly rejuvenated my passion for energy and everything that comes with it, so I truly thank you for this kickstart in this part of my life.

”

- Alexis, Student, Chestermere High School

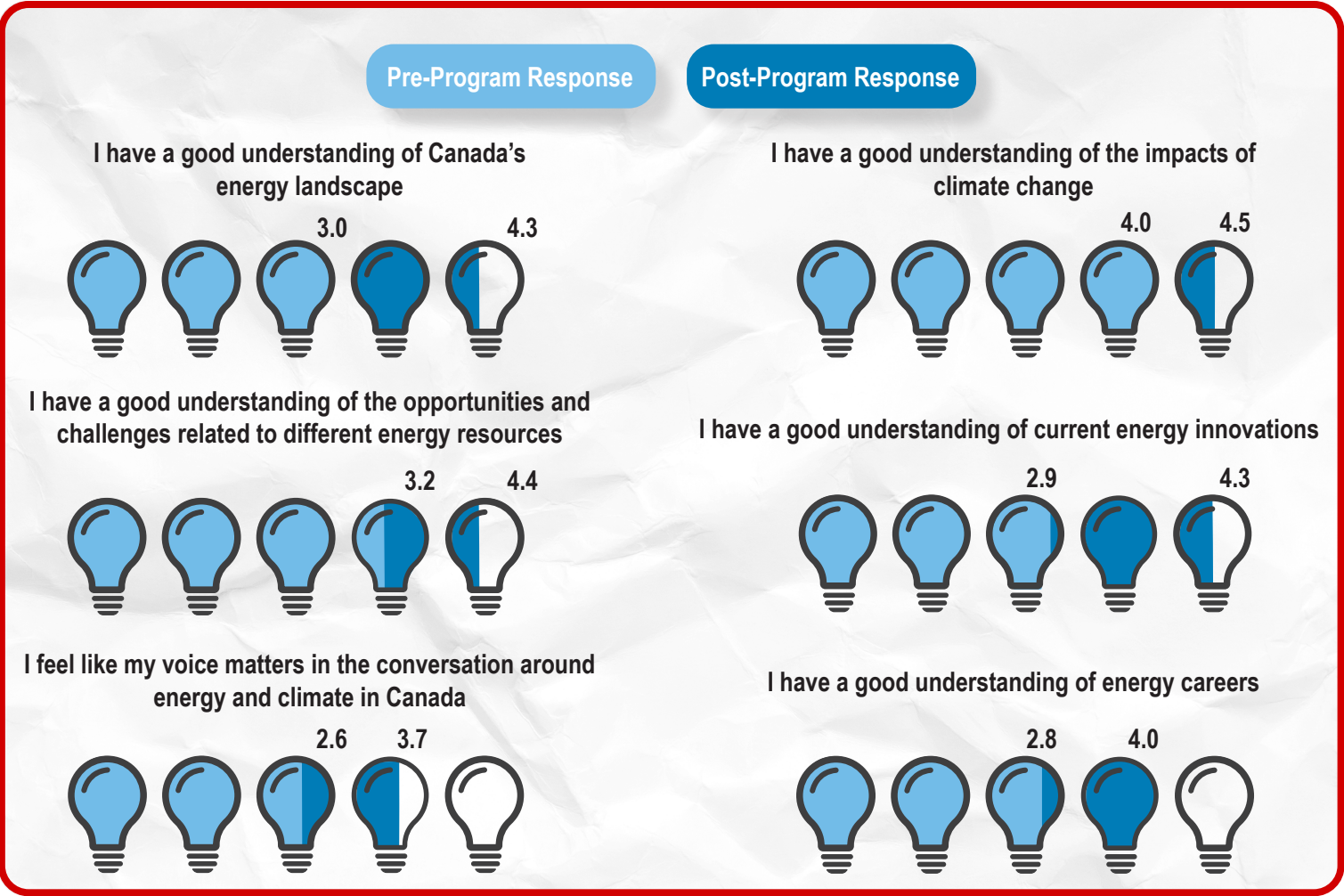
Alberta Forest Products Association - Aspen Dudzic	ENMAX Power Corporation - Neil Cumming
Alberta Indigenous Opportunities Corporation - Shafak Sajid	Future Energy Systems - Valerie Miller
Alberta Innovates - Bryan Helfenbaum	GoElectric - Rajko Pavic
Bank of Canada Museum - Adam Young	Iron & Earth - Andrea Visser
BBA Engineering - Janelle Watson	Keyera - Ben Cress
Bonnybrook Wastewater Treatment Plant	Massif Energy - Tristan Walker
Bow Valley College	MFC Games - Aaron Tan
Canadian Natural - Katie Howes	Ovintiv - Guillaume Lafond
Canadian Natural - Adele Thomson	Pembina Institute - Janetta McKenzie
Canadian Renewable Energy Association - Vittoria Bellissimo	Pembina Pipeline - Mike Karach
Capital Power - Kim Ogilvie	SAIT - Dale Hansen
Carbon Management Canada - Tamara Gale	Society of Petroleum Engineers - Michael Pereira
Carbon Upcycling - Dante Luu	Strathcona Resources - Megan Bowen
CleanO2 - Jaeson Cardiff	Strathcona Resources - Nicholas Ayre
Cenovus - Michael Cody	Suncor Energy - Bronwyn Hyland
ConocoPhillips Canada - Brett Denton	TC Energy - Ana Maria Radu
ConocoPhillips Canada - Tomi Moronkola	TCR Environmental Consulting LTD - Tanya Richens
Emerald Foundation - Sabrina Huot	Transalta - Ron Zieber
Emissions Reduction Alberta - Jennifer Chen	University of Alberta - Climate Change and Global Health Research Group - Natalie Darrah
Energy Safety Canada - Lisa Pollio	Varme Energy - Rory Wheat
Enhance Energy - Candice Paton	Whiskey Jack Gallery - Shannon Carla King
Enhance Energy - Gillian Hynes	Environmental Scientist - Biodiversity - Amit Saxena
Enhance Energy - Franki Race	

THE IMPACT

Inside Education surveyed participants before and after the summit to assess their understanding of energy and climate change issues in Canada, as well as their attitudes toward making a meaningful impact. This provided insight into their knowledge of these topics and allowed for the measurement of any shifts following their participation. Specifically, participants were asked about their understanding of Canada’s energy landscape, career opportunities and innovations in the energy sector, the challenges and opportunities related to energy resources, and the impacts of climate change.

As shown in the charts below, participation in Generate 2025 significantly enhanced their understanding of energy and climate change issues in Canada, while also fostering a stronger commitment to making an impactful difference in the conversation surrounding these topics.

Generate’s impact will continue to be felt throughout schools and communities through the teams’ education and action plans that were developed through the program!





# THE IMPACT

The ultimate goal of Generate is to transform Summit experiences into impactful school-based action projects. These initiatives empower student leadership, foster active local engagement, and extend the influence of the Summit, reaching far beyond the teams of students and teachers directly involved.

Inside Education works directly with the schools following the summit to ensure the successful implementation of these student-led initiatives. Check out these School Projects that were inspired by the Generate Summit.



**Edwin Parr Composite High School, Athabasca, Alberta** - the team from Edwin Parr are starting a Clean Commute Initiative. They are hoping to include three different initiatives, including "Idle Free Zones", a carpool program for students, and adding in electric busses for long distance transportation.



**Maskwacis Cree High School, Maskwacis, Alberta** - the team from Maskwacis Cree High School hope to install a vermicomposting bin to help redirect some of the waste in the community. This is a first step towards building a recycling project in the future, something that is not currently available in Maskwacis.



**River East Collegiate, Winnipeg, Manitoba** - the team from River East Collegiate hope to complete a renewal of the courtyard in their school. The purpose of this is to have a useable area that could be used as a safe space for growing plants and encouraging pollination.



**Clarenville High School, Clarenville, Newfoundland** - the team from Clarenville High are planning a land reclamation mission of a local beach covered in red bricks. They plan to increase the accessibility by adding stairs and signage about the unique and sensitive species of eel grass that grows there.



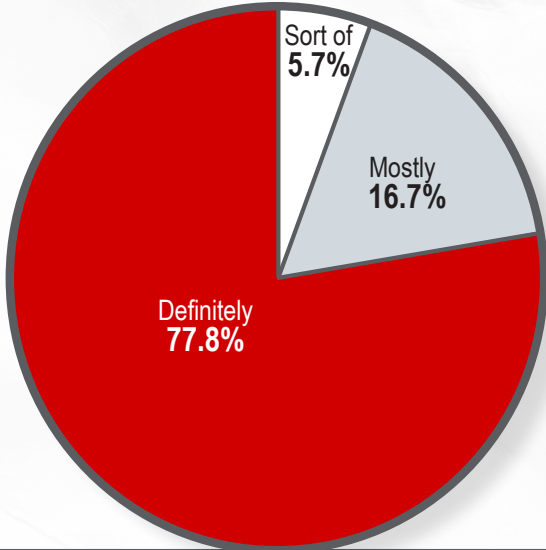
“My favourite parts of the summit were the keynote speakers and the energy tours, especially the GoElectric Vehicle Corporation! I never thought of replacing gas engines with electric engines as an option, but after seeing this first hand I found the process very interesting and enjoyed the bonus of cutting down CO2 emissions.”

- Mylie, Jasper Junior/Senior High School

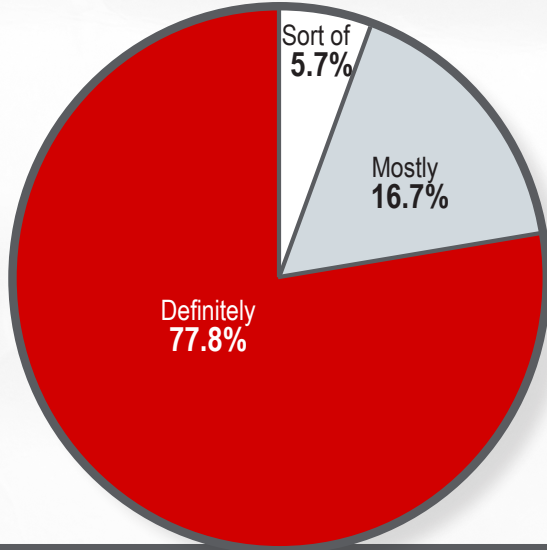


# THE IMPACT

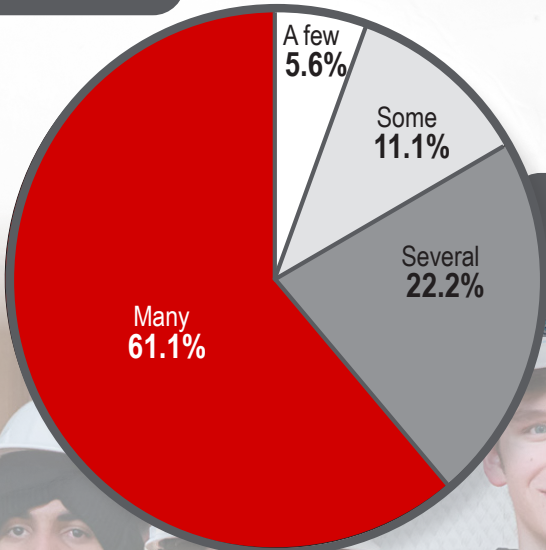
## Teacher Feedback



After attending Generate, I have a stronger understanding of topics and perspectives related to energy in Alberta and Canada



My students learned about new perspectives around energy in Alberta and Canada



I have new ideas on how to bring energy and climate topics into my classroom

“Generate has been an experience I will never forget! Before the summit I thought I had a good understanding of Alberta’s energy and climate, but I was blown away with how much I didn’t know. So much of what we learned is crucial for students. This summit has been an incredible opportunity and have no problem saying it has been one of my favourite high school experiences.”

- Student, Lethbridge Collegiate Institute, Lethbridge

“My students are so inspired and ready to put in the work. Thank you so much for curating such an amazing lineup of field trips and speakers. We have learned so much and we have laughed until we have cried. Amazing job!”

- Teacher, Lethbridge Collegiate Institute



# A SPECIAL THANK YOU TO OUR FUNDERS

Inside Education extends its sincerest gratitude and appreciation to our program funders for their generous support. Their commitment to this initiative has made it possible for Inside Education to bring 20 schools from across the country together to foster meaningful conversations and to drive positive change in the energy and climate space. Thank you for helping make the Generate 2025 Summit a success!



## PROGRAM ADVISORY COMMITTEE

Inside Education wants to extend a big thank you to the Generate Program Advisory committee, whose advice and support helped guide the development of the Generate 2025 program.

Dale Hansen - Dean - SAIT MacPhail School of Energy

Valerie Miller - Outreach and Engagement Lead - Future Energy Systems

Cilena Mathieu - Teacher - Lethbridge Collegiate Institute

Jen Scott - Teacher - Lethbridge Collegiate Institute

Billy-Joe Lafortune - Manager, Digital Technologies - ConocoPhillips

Winona Lafreniere - Co-Founder - Indigenous Lens Institute Inc.

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