

# The Future of Catholic Climate Advocacy: IRA, LSAP, and Net Zero

## Implementation Done Justly



**Catholic Climate Covenant™**  
Care for Creation. Care for the Poor.

January 25th, 2023





# The Future of Catholic Climate Advocacy: Implementation

- The webinar is being recorded and a link to the recording will be sent to everyone who registered within the next 24-48 hours.
- Please type your questions in the Q/A box. If you know who the question is directed to, please add that information to your question.



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# The Future of Catholic Climate Advocacy

## Prayer for the Laudato Si' Action Platform

*Creator, we are embarking on a journey  
towards greater love for You,  
our brothers and sisters, and Your creation.*

*Holy Spirit, we humbly ask that You guide us on our journey,  
that You bring us Your illuminating and warming fire  
as we seek to discern and respond to Your will.*

*Redeemer, we thank You  
for the new hope that unites us with all those  
who are healing their relationships with God,  
creation, and the human family.*

*We pray for commitment and unity  
as we live out an integral ecology  
to protect all life on earth.*

*We ask this in the name of Jesus Christ, our Lord.*

*Amen.*

~Dominican Sisters of Peace



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# The Future of Catholic Climate Advocacy: Implementation



**John Mundell**  
**Laudato Si' Action Platform**



**Christina Bagaglio Slentz, PhD**  
**Diocese of San Diego**



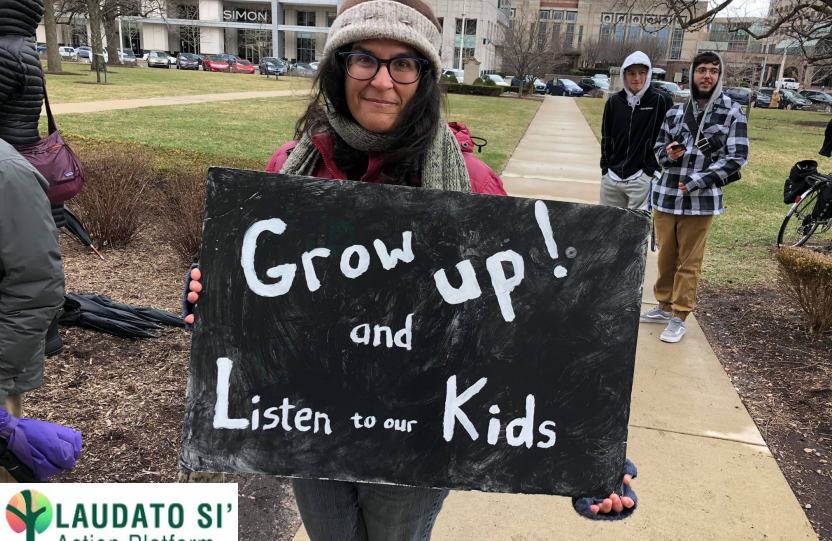
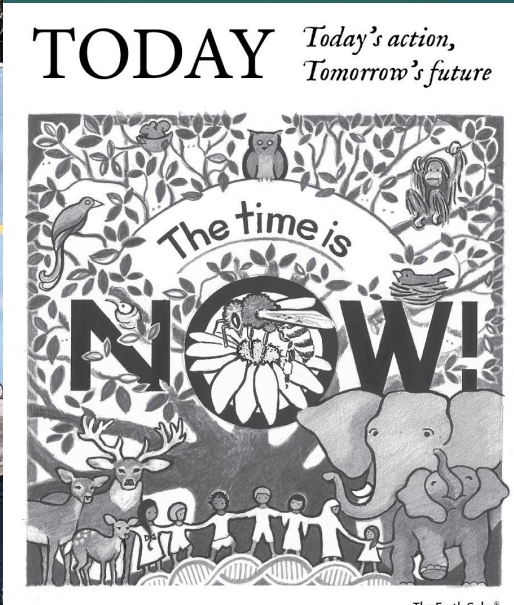
**Deacon Kent Ferris, OFS**  
**Diocese of Davenport**







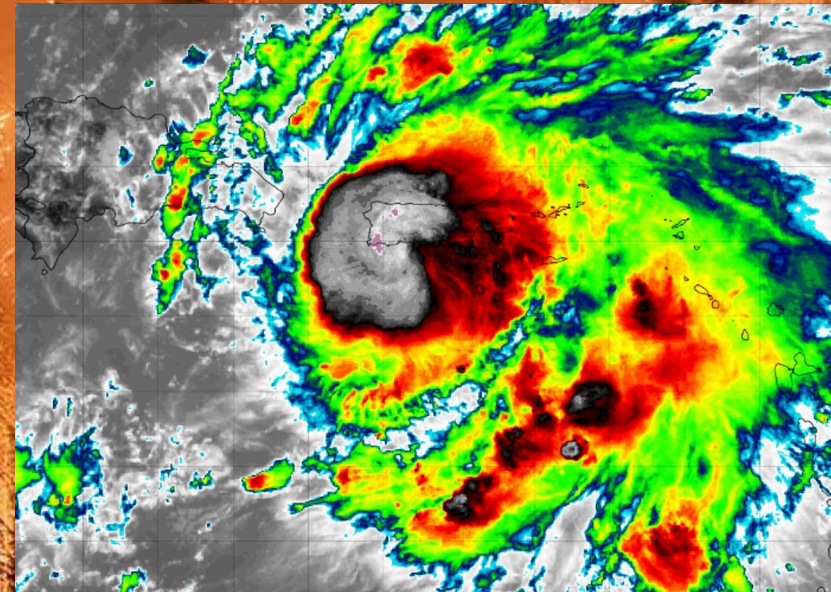
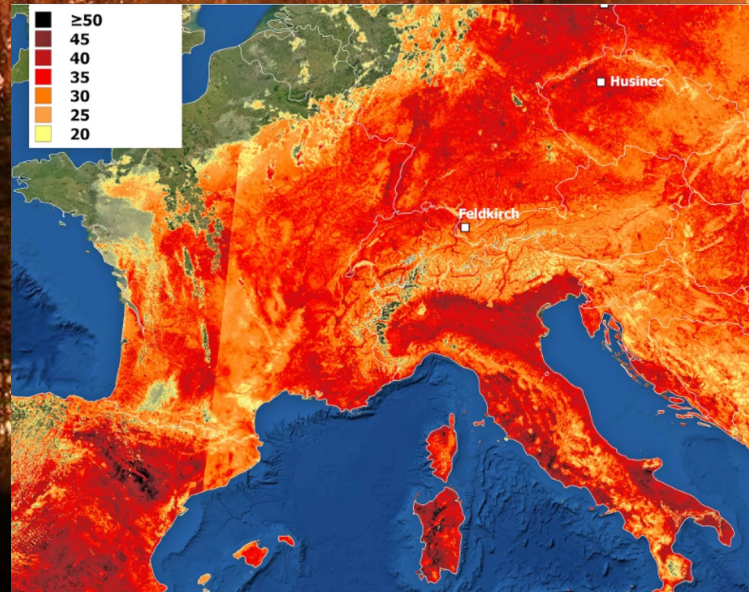
# GROWTH IN COMMUNITY ENGAGEMENT AND PARTICIPATORY ACTION: THE LSAP AND THE REALIZATION OF LAUDATO SI' GOAL No. 7



**Catholic Climate Advocacy: Implementation Done Justly**  
Catholic Climate Covenant Webinar, January 25, 2023  
John Mundell, Director, Laudato Si' Action Platform



# The Climate Crisis' Impact on our Planet



California fires, Pakistan monsoon floods, Florida Hurricane Fiona, Europe heat wave.





# What is the Laudato Si' Action Platform?



The **Laudato Si' Action Platform** is Vatican-facilitated, action-oriented, ecological conversion journey in the spirit of integral ecology intended to support and empower communities, institutions, and families to achieve total sustainability.

The aim is to listen and respond to the **cry of the Earth**, the **cry of the poor** and the **cry of our children and future generations**.



# GROWTH IN COMMUNITY ENGAGEMENT AND PARTICIPATORY ACTION:

THE REALIZATION OF LAUDATO SI' GOAL No. 7



## Why connect to the LSAP?

- Your response to a great moral crisis.
- Your children, grandchildren and future generations.
- Global impact is possible with critical mass and many local actions.
- Enriching global community of kindred spirits and like-minded believers.
- It brings meaning and joy to your life.
- God is asking you through your conscience.

[www.laudatosiactionplatform.org](http://www.laudatosiactionplatform.org)

7 Sectors, 7 LS Goals



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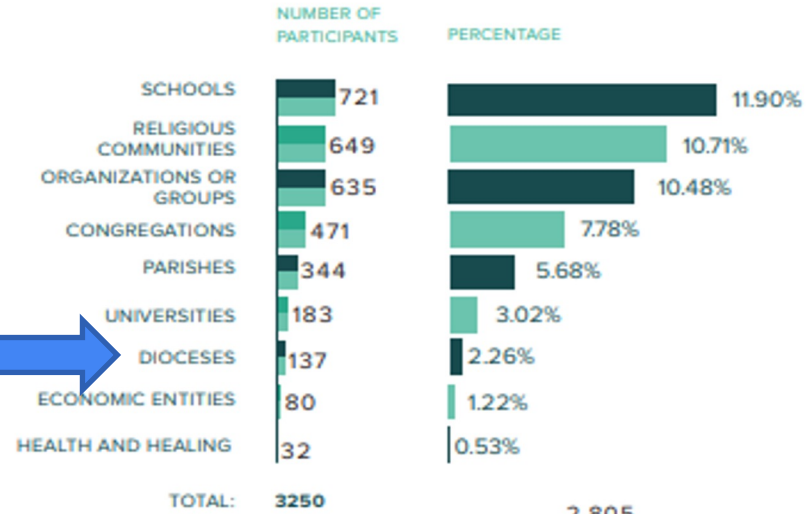




# Registrations

## ORGANIZATIONS REGISTERED

DIOCESES

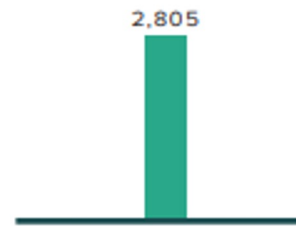


### ESTIMATED REACH:

# 2,500,000

Individuals at an average of 768 members per organization

## FAMILIES REGISTERED



### ESTIMATED REACH:

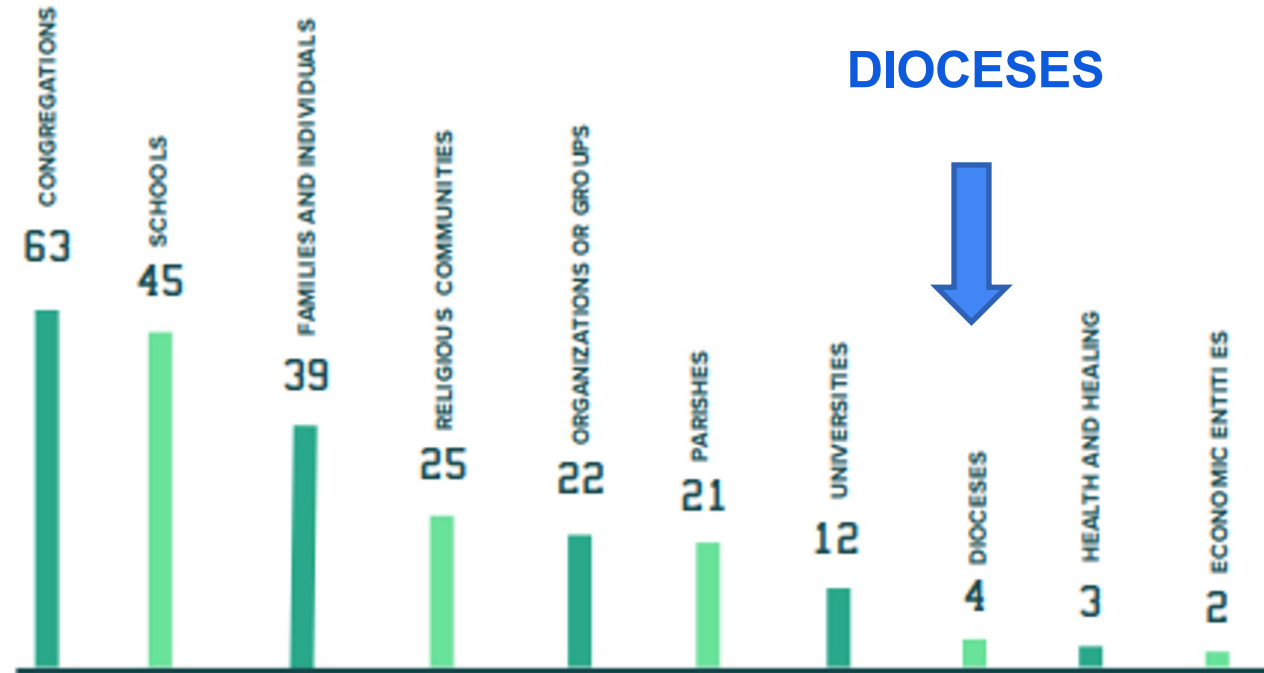
# 8,425

Individuals, at an average of 3 members per family





# Reflections uploaded



**CURRENT**

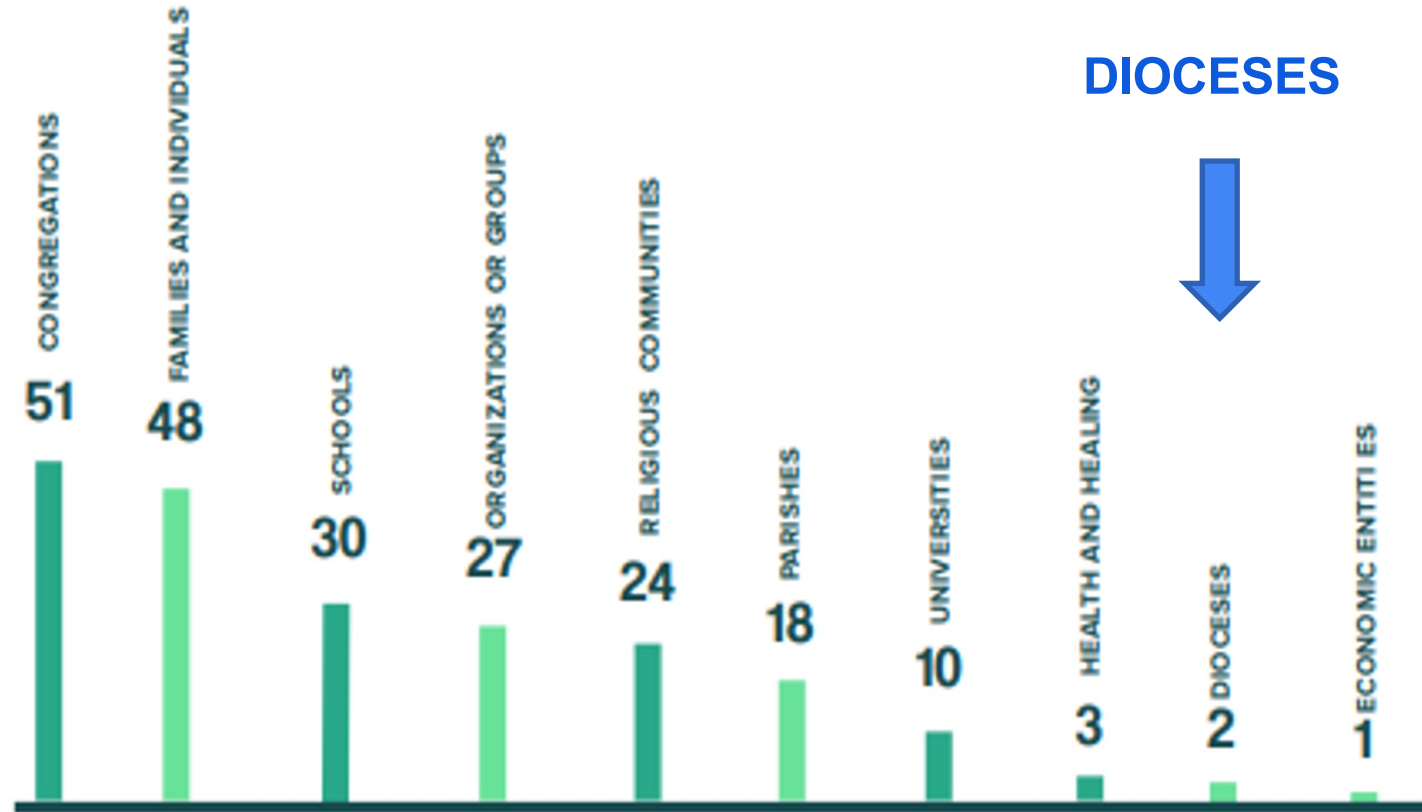
Total No. Reflections in the World: 239

Total No. Reflections in the World Diocese: 9





## Plans uploaded



**CURRENT**

Total No. LS Plans in the World: 344

Total No. LS Plans in the World Diocese: 5



# GROWTH IN COMMUNITY ENGAGEMENT AND PARTICIPATORY ACTION: THE LSAP AND THE REALIZATION OF LAUDATO SI' GOAL No. 7

## LSAP 2023 Focus

- Sign-Ups
- Reflection, Plan and Review
- Diocese and Parish Engagement
- Youth Participation



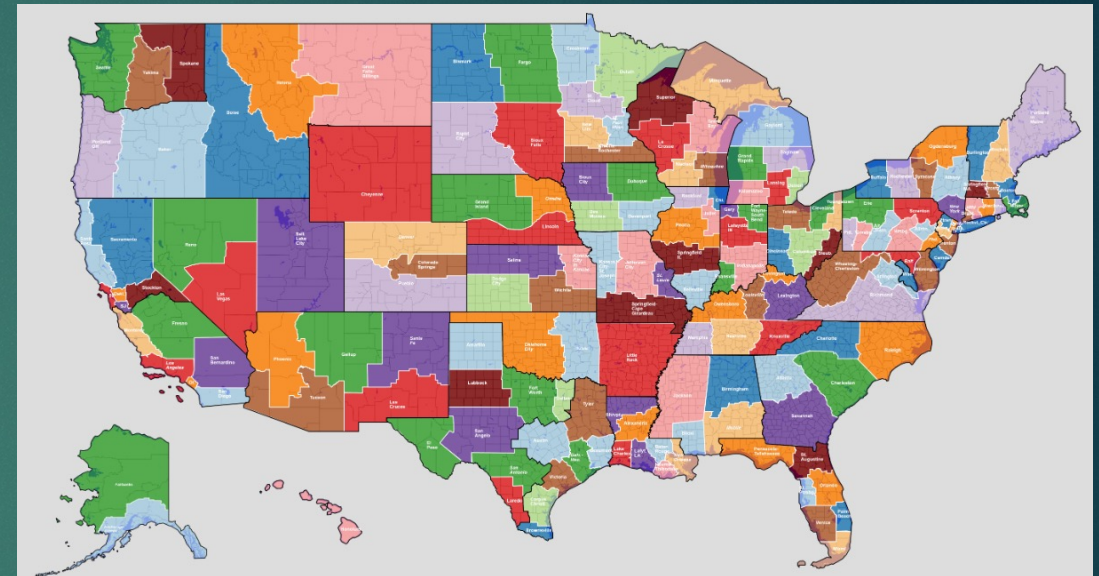
# GROWTH IN COMMUNITY ENGAGEMENT AND PARTICIPATORY ACTION:

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## Largest Catholic Dioceses in United States

- Los Angeles (4,349,267)
- New York (2,807,298)
- Chicago (2,093,000)
- Boston (1,932,653)
- Philadelphia (1,551,494)
- Orange in California (1,547,000)
- Rockville Centre (1,531,445)
- Brooklyn (1,506,000)
- Detroit (1,481,563)
- Newark (1,469,295)

**Total Catholics in Top 10: 20,269,015 (29%)**



**196 dioceses:** 32 territorial archdioceses, 144 territorial dioceses, 1 archmilitary, 1 USA, 2 archeparchies, and 16 eparchies of Eastern Catholics

**Total Catholics in the United States: 70,412,021**



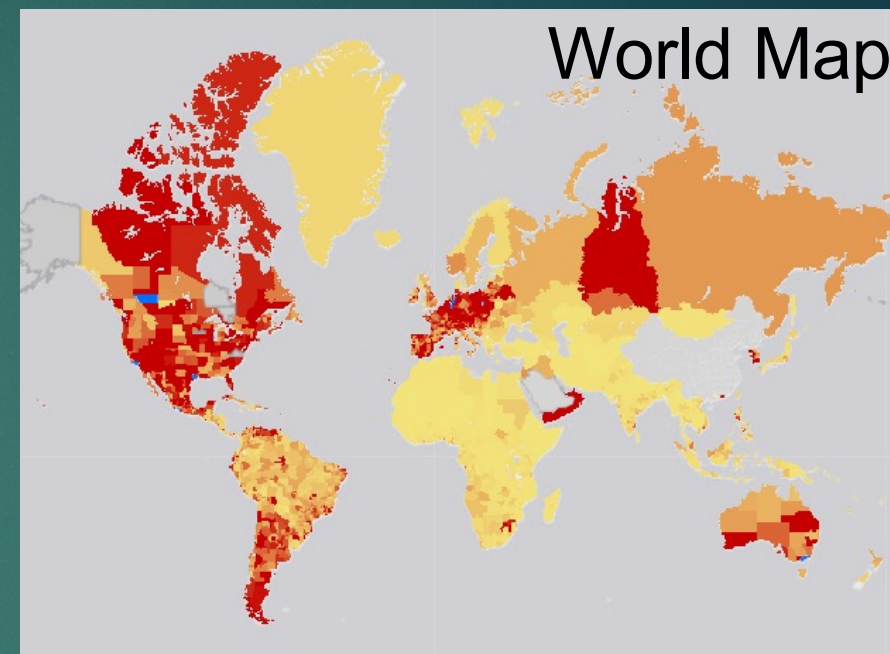
# GROWTH IN COMMUNITY ENGAGEMENT AND PARTICIPATORY ACTION:

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## Catholic Dioceses in United States signed to LSAP

- Albany
- Arlington
- Atlanta
- **Chicago (2,093,000)**
- Cincinnati
- Davenport
- Dubuque
- Fresno
- Gary OYYA
- Georgia State University
- Indianapolis
- Rural Ministry
- Sacramento
- San Bernardino
- San Diego
- San Jose
- Worcester

**Total No. LSAP Sign-Ups USA: 17 (9 %)**



**Total Dioceses in the World: 2,900**

**Total Dioceses in the World signed to LSAP: 152 (5 %)**

**Total No. Reflections in the World: 9**

**Total No. LS Plans in the World: 6**

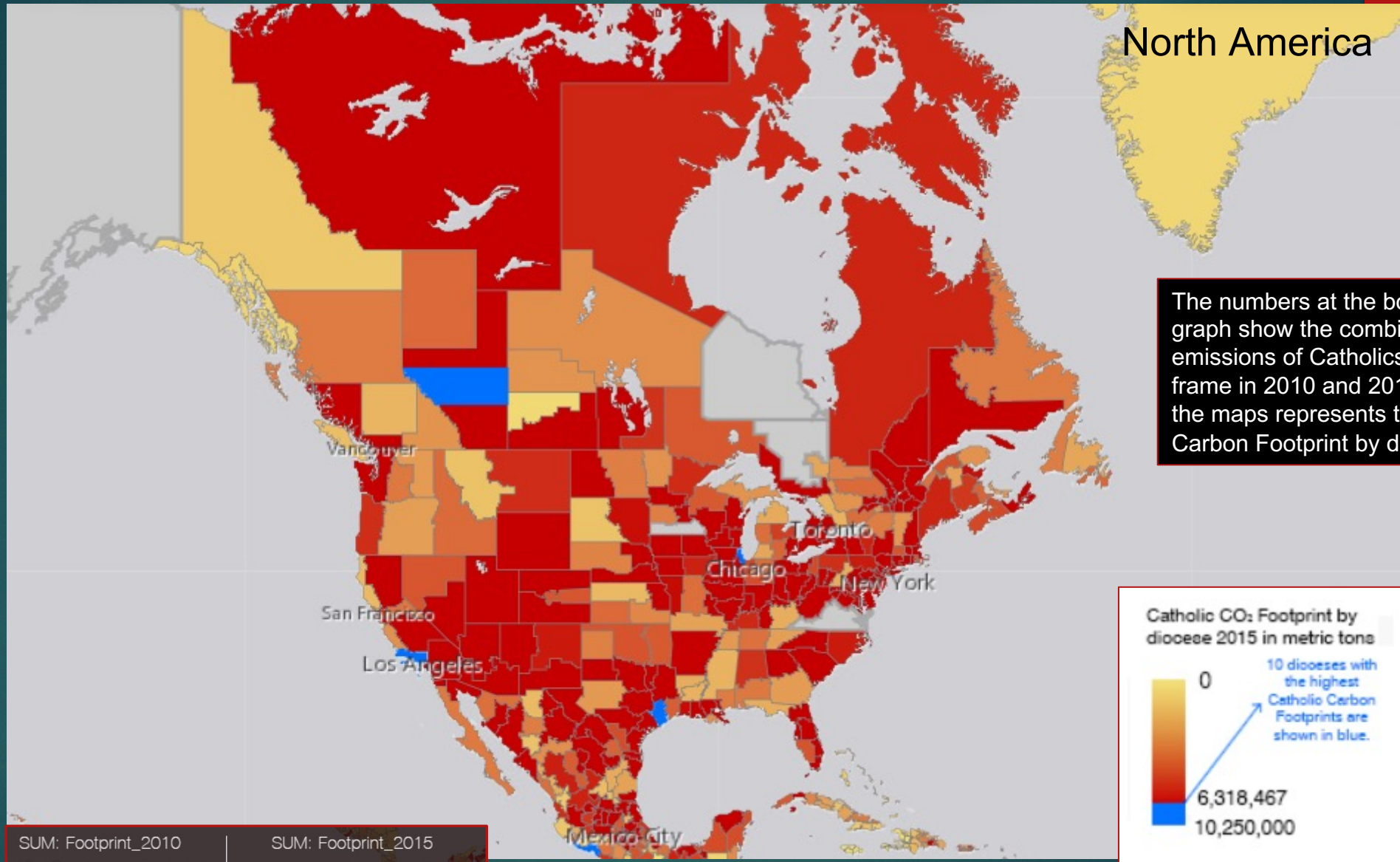
**Total No. Self Assessments in the World: 58**

**Total Catholics in the World: 1.3 billion**



For Discussion Purposes Only

# Roman Catholic Carbon Footprint



SUM: Footprint_2010	SUM: Footprint_2015
523,512,545	518,273,718

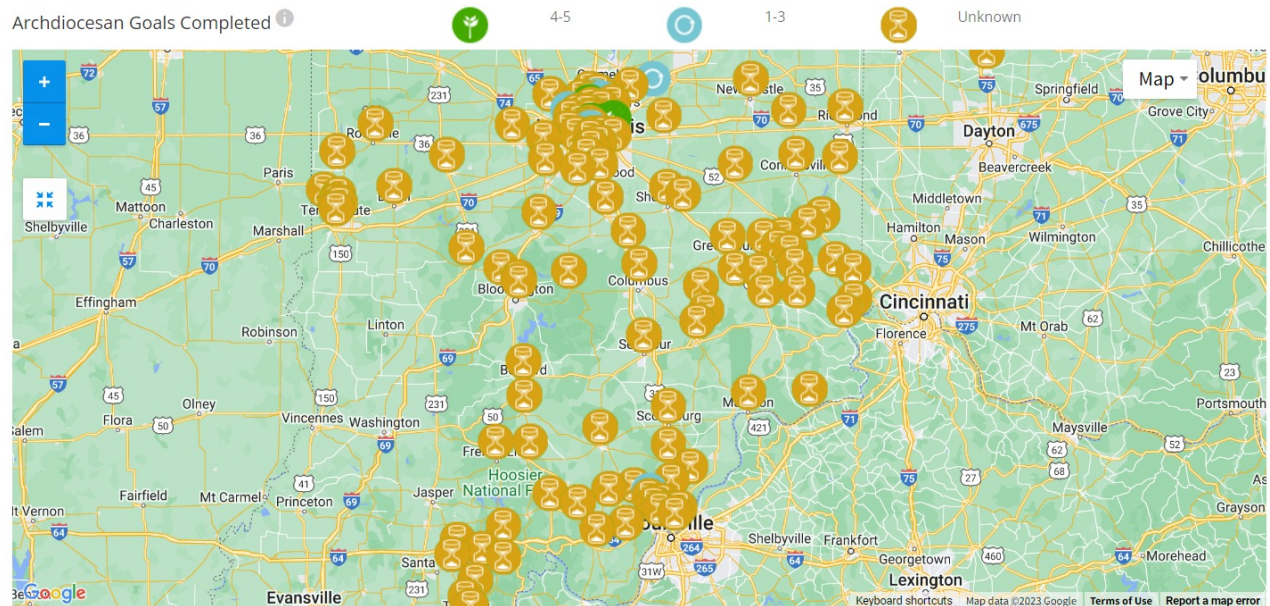
GoodLands (2019)



# Archdiocese of Indianapolis Summary

## Archdiocese of Indianapolis

Archdiocesan Goals Completed <sup>1</sup>

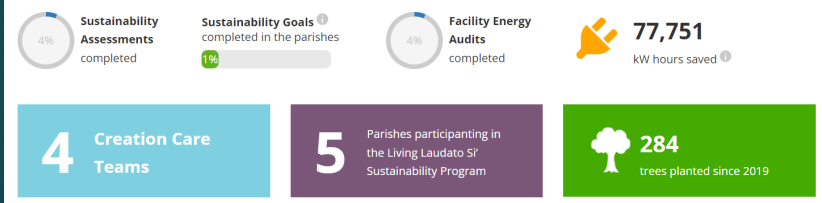


### Parish Detail

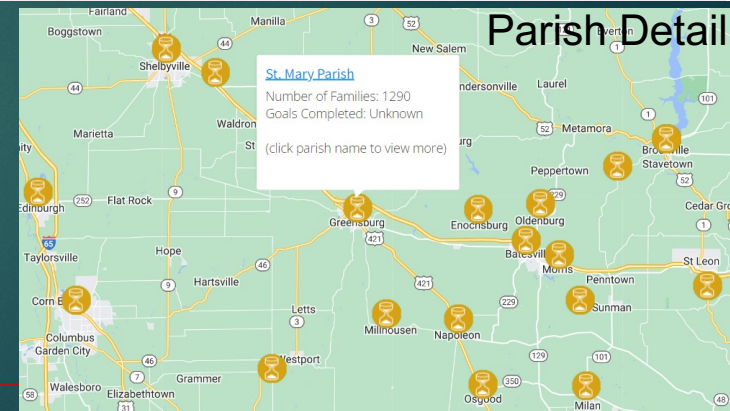
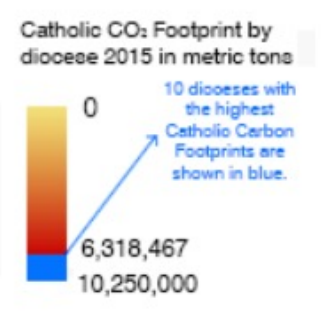
PARISH	CITY	# OF FAMILIES	TEAM FORMED?	PLANS	PROGRESS <sup>1</sup>	DETAILS
St. Thomas the Apostle Parish	Fortville	232	✓		<div style="width: 100%;"></div>	<a href="#">More</a>
St. Pius V	Troy	165	✓			
Holy Spirit Parish	Indianapolis	2131	✓	<a href="#">Download</a>		<a href="#">More</a>
Our Lady of Lourdes Parish	Indianapolis	687	✓	<a href="#">Download</a>		<a href="#">More</a>
St. Thomas Aquinas Parish	Indianapolis	596	✓		<div style="width: 100%;"></div>	<a href="#">More</a>
St. Matthew the Apostle Parish	Indianapolis	1100		<a href="#">Download</a>		<a href="#">More</a>
St. Mary Parish	Indianapolis	950		<a href="#">Download</a>	<div style="width: 10%;"></div>	<a href="#">More</a>
Christ the King Parish	Indianapolis	1204				<a href="#">More</a>
Sacred Heart of Jesus Parish	Indianapolis	346				<a href="#">More</a>
St. Gabriel Parish	Indianapolis	2120				<a href="#">More</a>
St. Mary-of-the-Knobs Parish	Floyds Knobs	1159				<a href="#">More</a>
All Saints Parish	Guilford	890				
Annunciation Parish	Brazil	178				

### Parish Progress

Out of 125 parishes in Central and Southern Indiana



The **Indianapolis Archdiocese**, overseen by Archbishop Charles Coleman Thompson, had a Catholic Carbon Footprint of approximately **2,178,153 metric tons** in 2015



SUM: Footprint_2010	SUM: Footprint_2015
2,235,062	2,178,153

The numbers at the bottom of the graph show the combined CO2 emissions of Catholics in the data frame in 2010 and 2015. The color of the maps represents the Catholic Carbon Footprint by diocese in 2015.



# GROWTH IN COMMUNITY ENGAGEMENT AND PARTICIPATORY ACTION: THE LSAP AND THE REALIZATION OF LAUDATO SI' GOAL No. 7

## Potential Impact of the Laudato Si' Action Platform

- We become more credible when we live what we believe.
- Think globally, act locally.
- We become more effective when we act together.
- NOW is the time to act!



# The Vision

An inundation penetrates into an element of life and society – it is like water that enters a place and transforms it from within.



Alone



Together





# The LSAP Community



People  
connectors

Bridge  
builders



Weavers of  
community





# DIOCESE OF SAN DIEGO

Working toward a Just  
Clean Energy Transition



# Getting to Zero...

## ▶ Educate, Accompany, Support & SET THE EXAMPLE

## ▶ Setting the Example – 3 areas:

1. Determine where we are: LSAP's initial assessment tool

2. Pursue Net Zero Path/Fossil Fuel Divestment

➤ Net Zero Pathway – benchmarking and climate action planning for the future—one option, <https://verdisgroup.com/services/net-zero-pathway/>

➤ Check on local and state legislation – California, for example, requires:

❖ 90% clean energy by 2035, 95% by 2040 (SB 1020)

❖ Net zero carbon emissions by 2045 (AB 1279)

➤ See USCCB Socially Responsible Investment, 2021:

❖ *“From a Catholic perspective, ethical and socially responsible investing, as the strategy has come to be known, requires us to evaluate specific investments in terms of how those companies or entities protect life, promote human dignity, act justly, enhance the common good, and provide care for the environment.”*

❖ *“...socially responsible investing is a holistic framework that sees economic development intrinsically linked to integral human development and good stewardship of God's creation.”*





# Educate, Accompany, Support

- ▶ Creation Care Workshops – NO SECRET SAUCE!
  - Encouraging LSAP with Diocesan CCAP as resource
  - Tailoring to role of participants – clergy/religious, parishes, educators/catechists, families
  - Growing Grassroots and Sending Forth
- ▶ Greening the Diocese
  - Parish Energy Surveys
  - Energy Use Consultation (IRA)
  - GIS Mapping Environmental Factors
  - Environmental Justice Hotspots
- ▶ Coalition of the Willing
- ▶ YOUTH!!





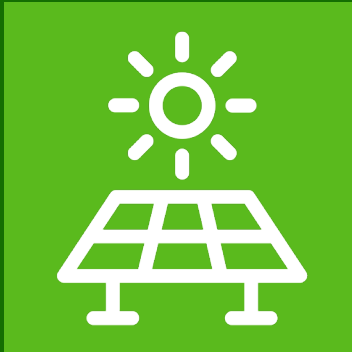
# QUESTIONS?

CONTACT INFORMATION:

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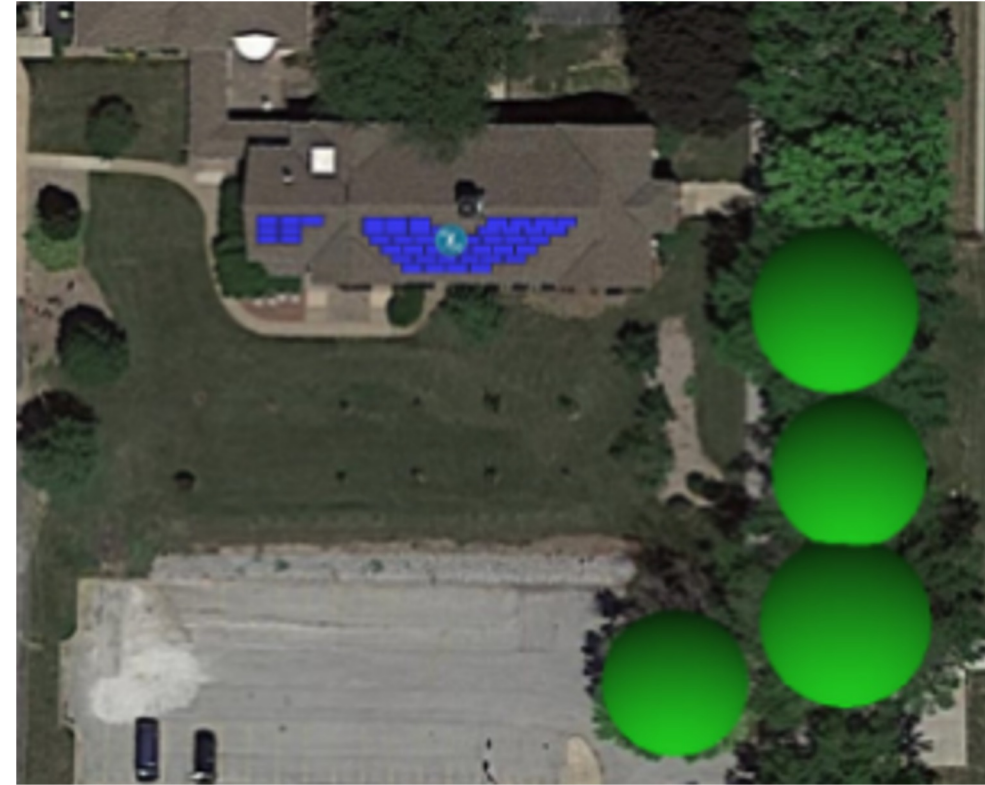
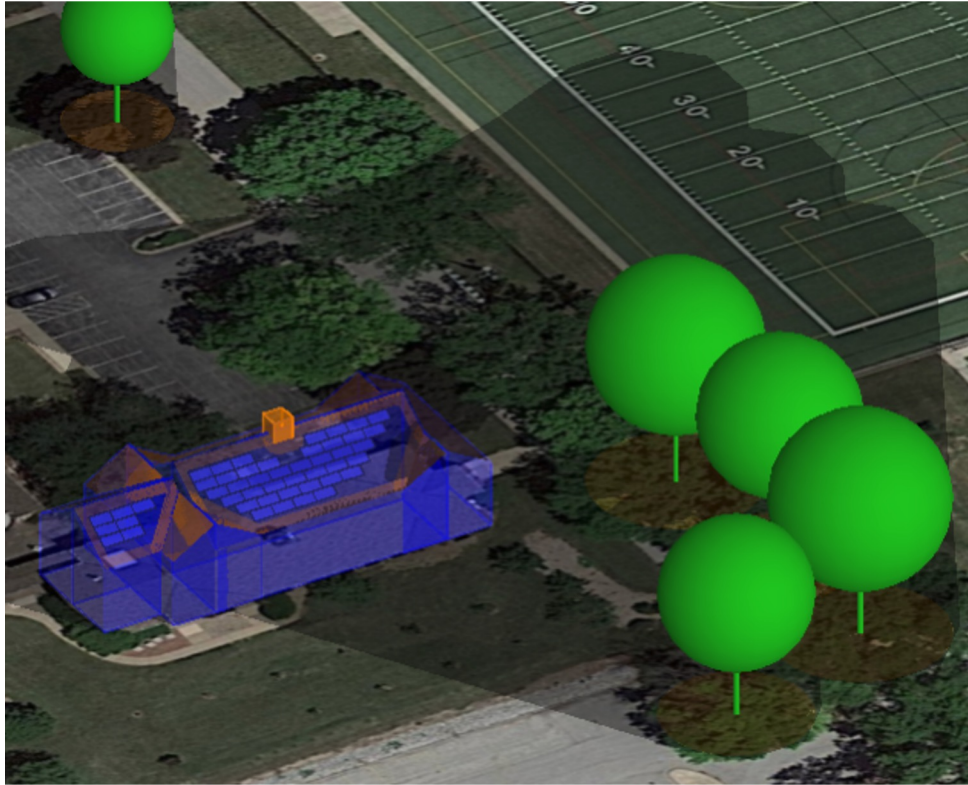




# Diocese Solar Design Options



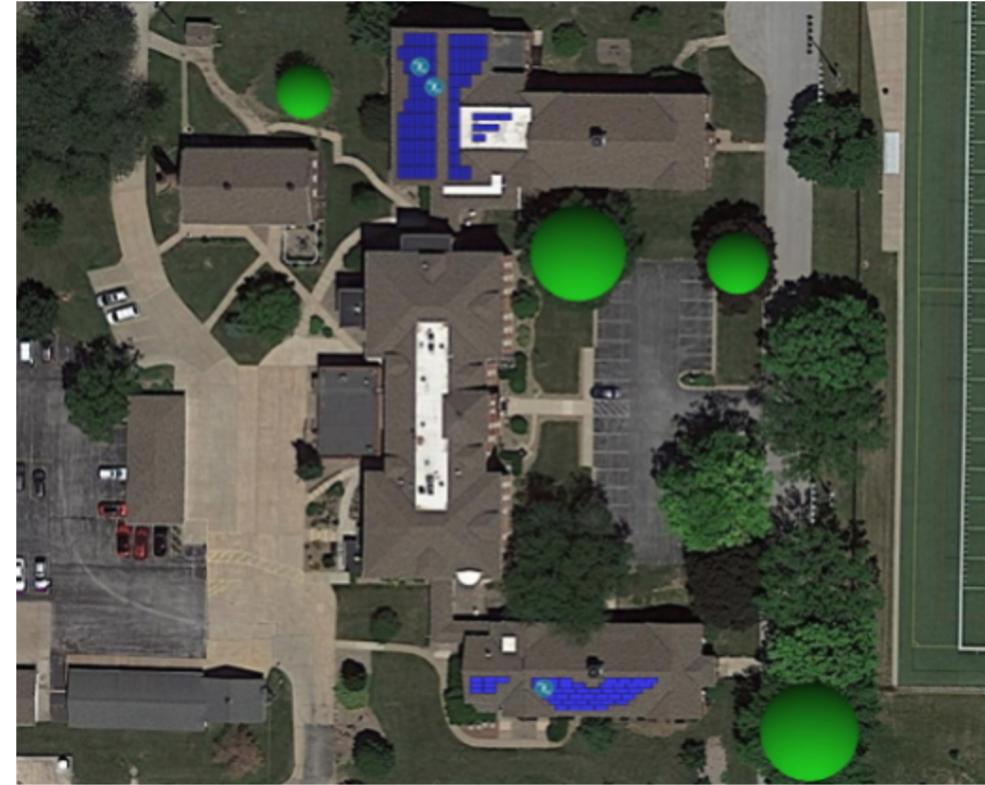
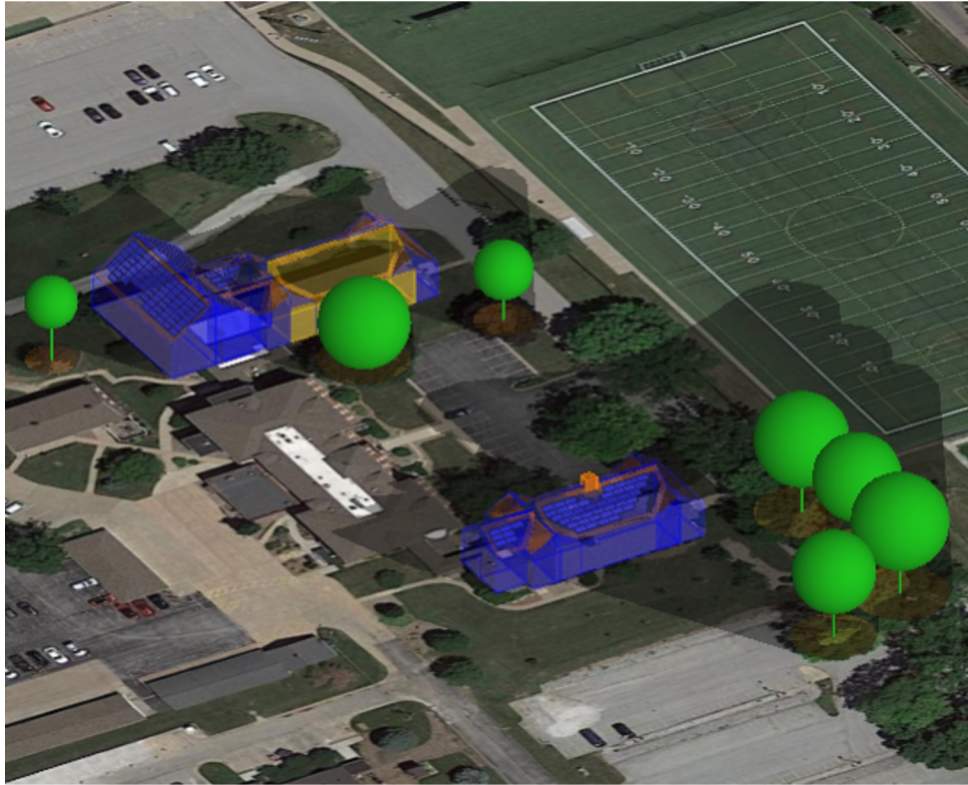
# Southern Building



System Size kW <sub>DC</sub>	19.7 kW
Annual Energy Production MWh	26.6 MWh
Energy Offset	9.4%

Estimated Cost	\$41,454
Payback Period	16 Years
Carbon Offset	7 MTCO <sub>2</sub> e

# All Buildings



System Size kW <sub>DC</sub>	68.5 kW
Annual Energy Production MWh	77.3 MWh
Energy Offset	27.3 %

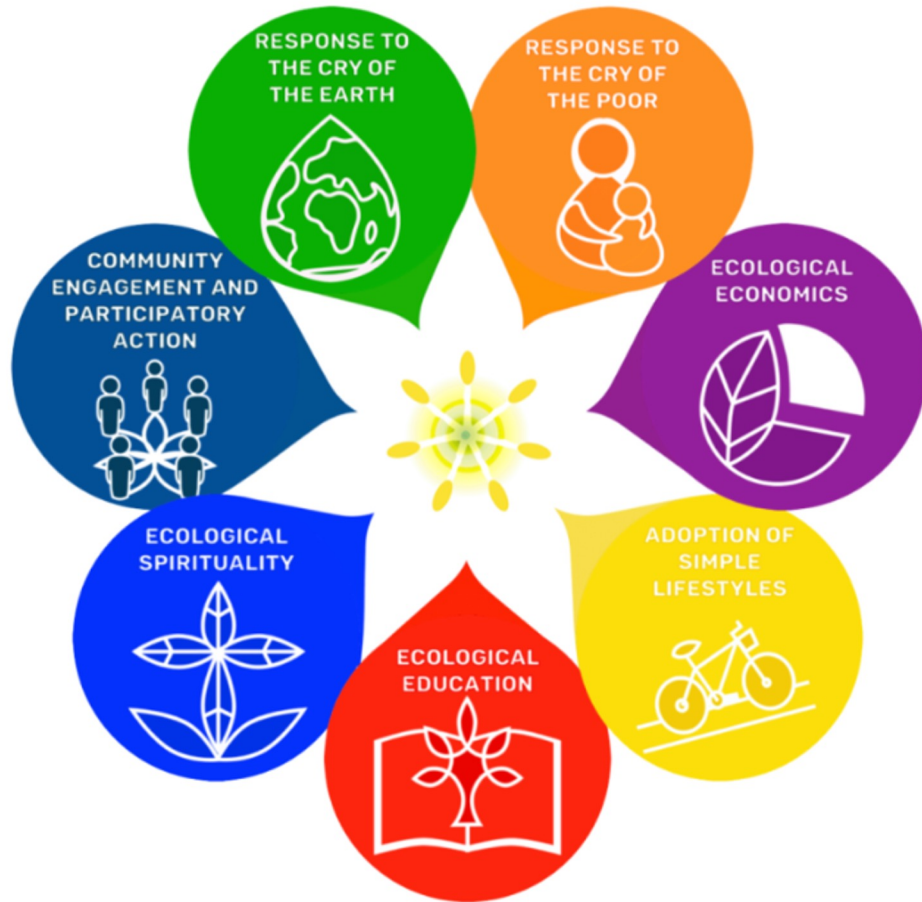
Estimated Cost	\$143,766
Payback Period	18.6 Years
Carbon Offset	20 MTCO <sub>2</sub> e





# Net Zero Pathway Process

# A Higher Calling



## LAUDATO SI' Action Platform

**Response to the Cry of the Earth:** greater use of clean renewable energy and reducing fossil fuels in order to achieve carbon neutrality, efforts to protect and promote biodiversity, guaranteeing access to clean water for all, etc.



# Decarbonization Process

1

## MEASURE (See)

Complete a greenhouse gas inventory to account for all emissions emitted by your organization.

2

## TARGET (Judge)

Understand the levers that you have to reduce your emissions and decide what is the best climate goal and timeline for your organization.

3

## IMPLEMENT (Act)

Organize the implementation of the selected strategies and track the progress towards your goals.

# Project timeline

## SES Survey + GHG inventory

Measured emissions for Scope 1 & 2 and select scope 3s. Included engagement and commute survey.

## Workshop #1

Met as a group on 11/11/22 to brainstorm strategies on how the Aquarium can achieve Net Zero

## Interviews & Research

Gathered further data, met with building and animal food experts, compiled third party data

## Workshop #2

Co-create emissions reduction path supported by GHG projection tool.

## Action Planning

Identify the actors, resources, and steps needed for the first 12-24 months. Involve leadership.



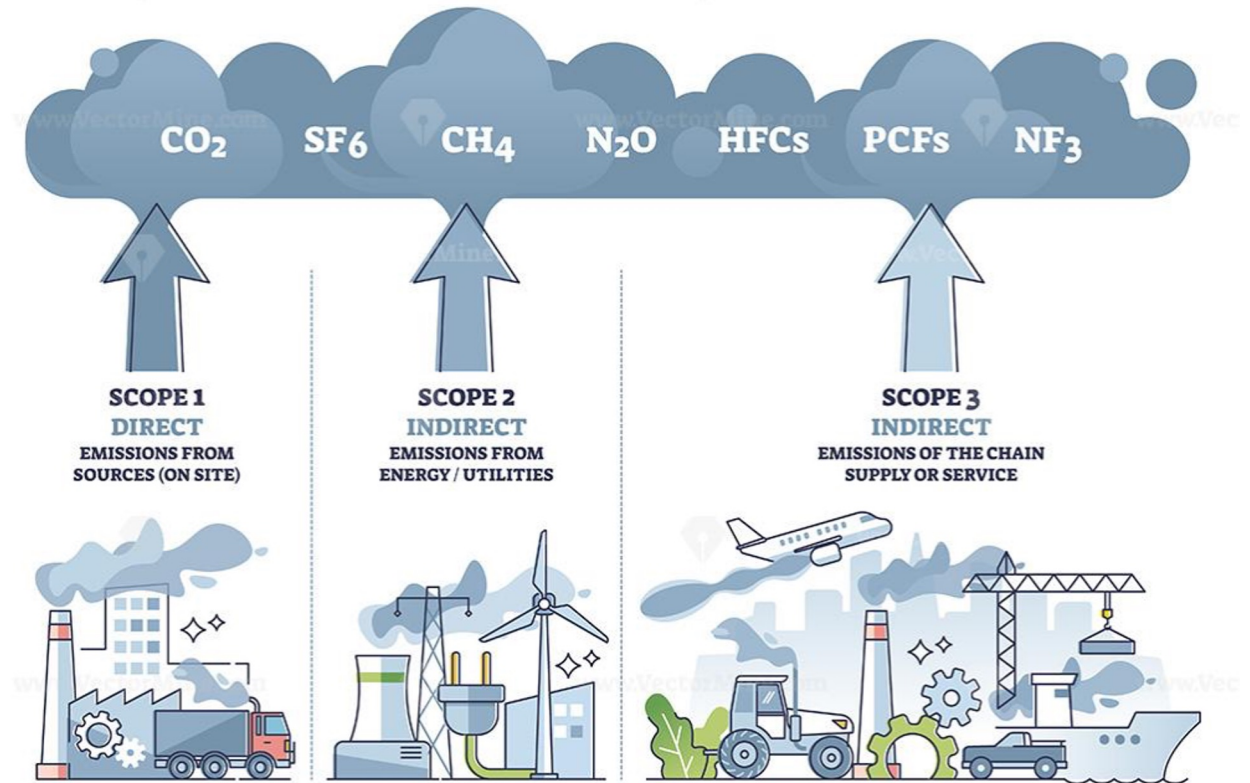
# MEASURE

## Greenhouse Gas Inventory

Measure emissions in accordance with the Greenhouse Gas Protocol

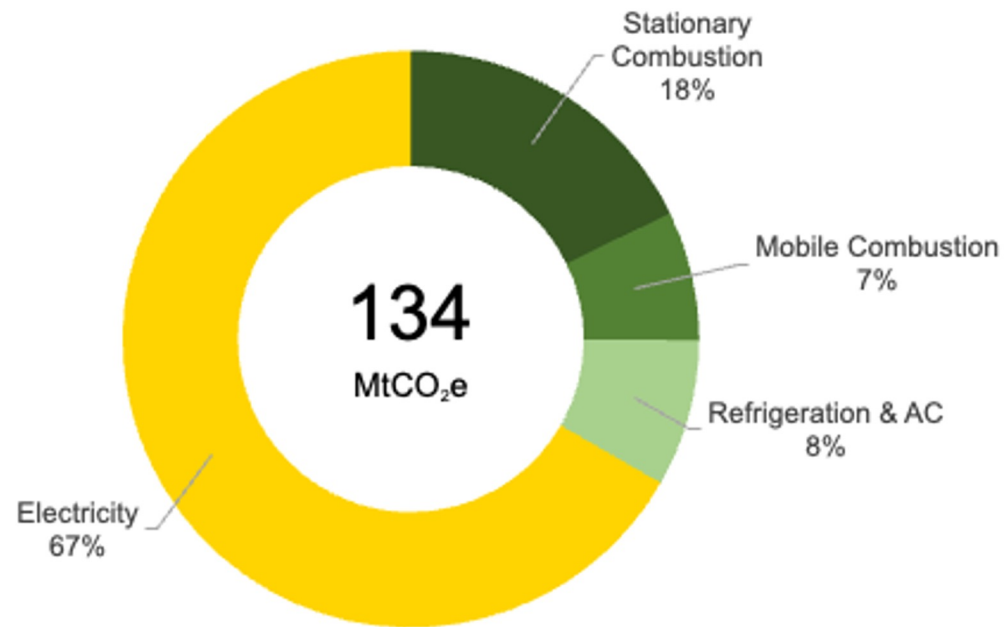
Includes Scope 1 and 2 and potential Scope 3 categories

## SCOPES OF EMISSIONS





# Greenhouse Gas Emissions

2021 EMISSIONS MtCO<sub>2</sub>e



- In 2021, Diocese of Davenport emitted 134 metric tons of CO<sub>2</sub> equivalent
- Equivalent to:
  - **16.9** homes energy for a year
  - **28.9** cars driven for a year

*See EPA equivalencies*

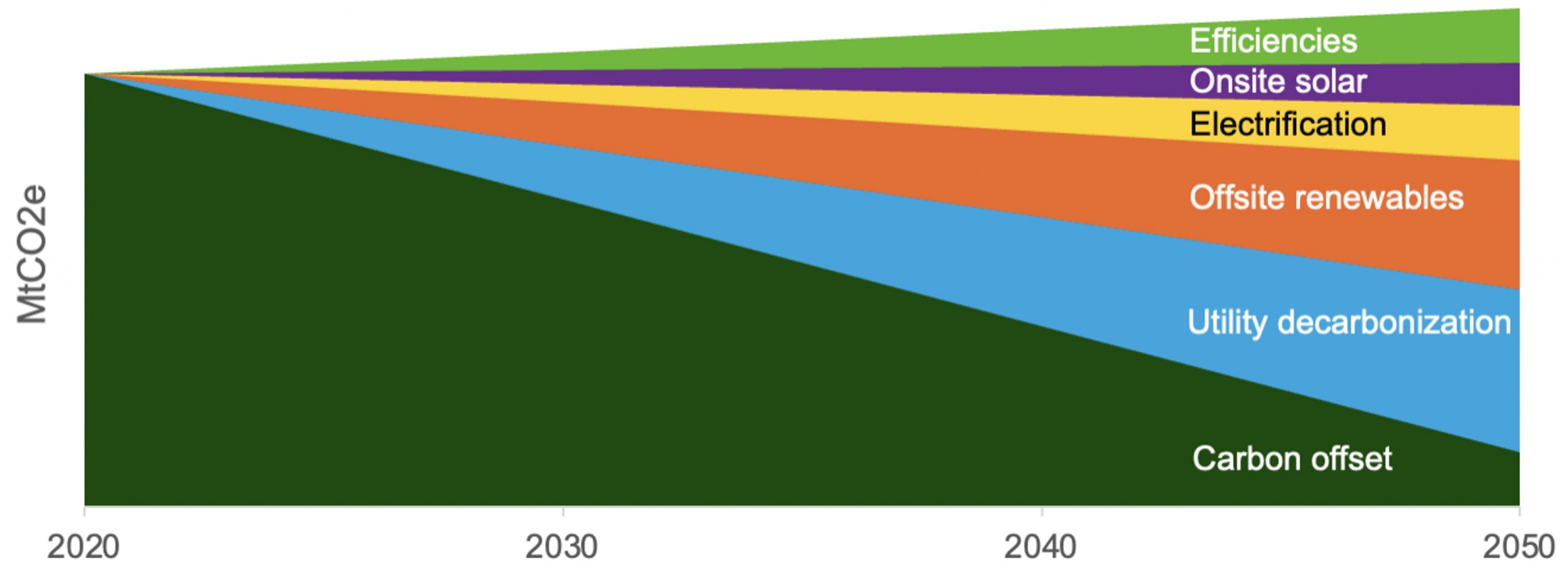
	Scope 1
	Scope 2



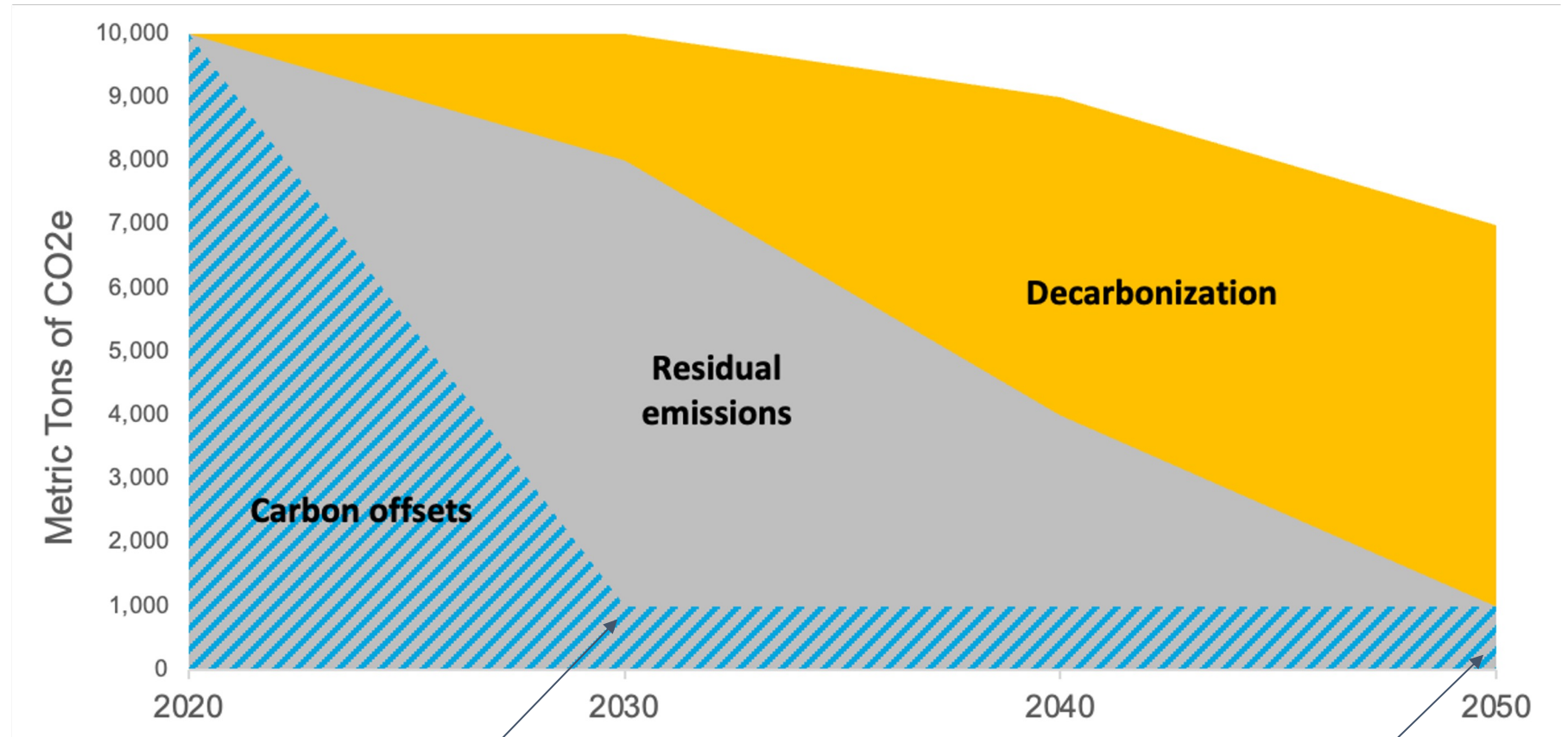
# TARGET

## Net Zero Pathway

- Define reduction strategies that can be put in place to achieve your goal
- Assess costs, ROI, feasibility and timeline
- Offset your emissions while you decarbonize



# The role of carbon offsets



## Carbon Neutral

100% of emissions covered  
by carbon offsets

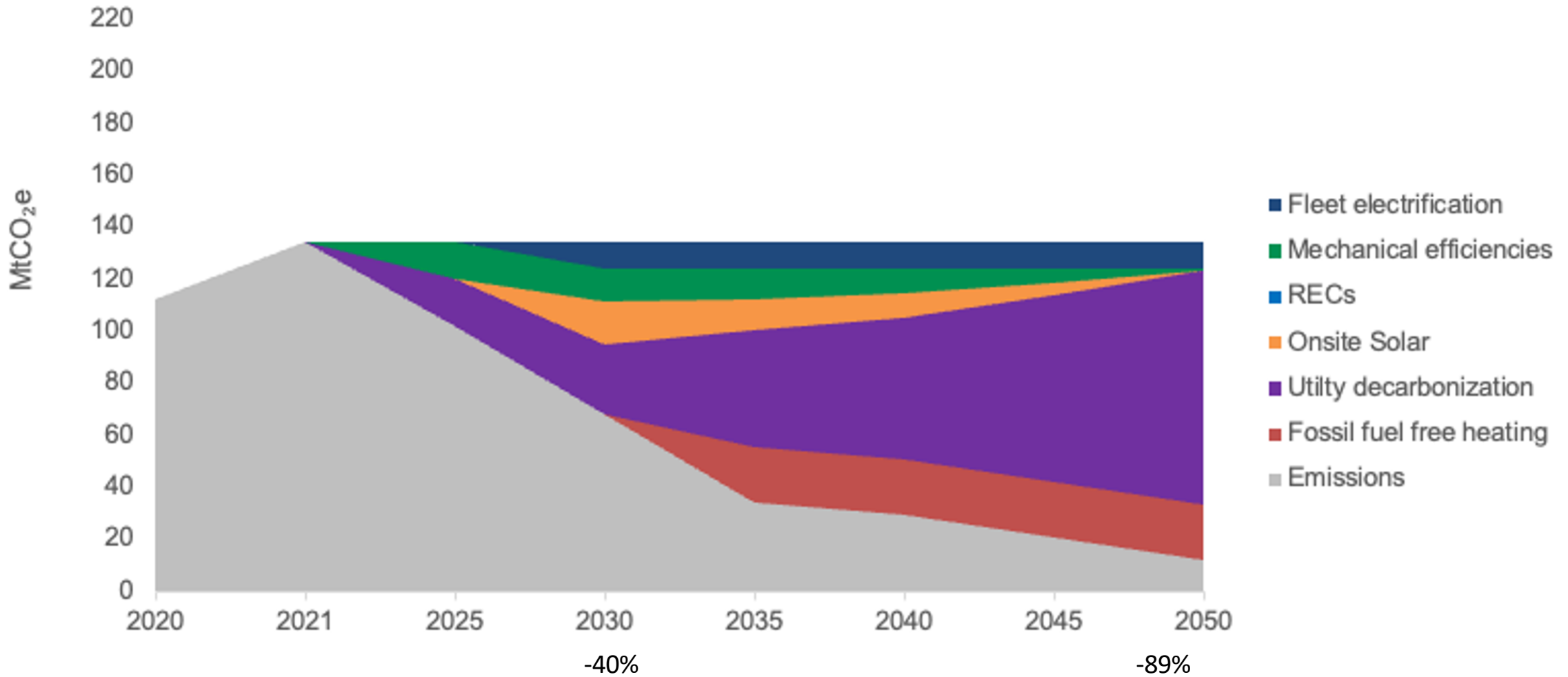
## Net Zero

Emissions reduced by 90% and  
10% is covered by carbon offset  
As defined by the Science  
Based Target Initiative



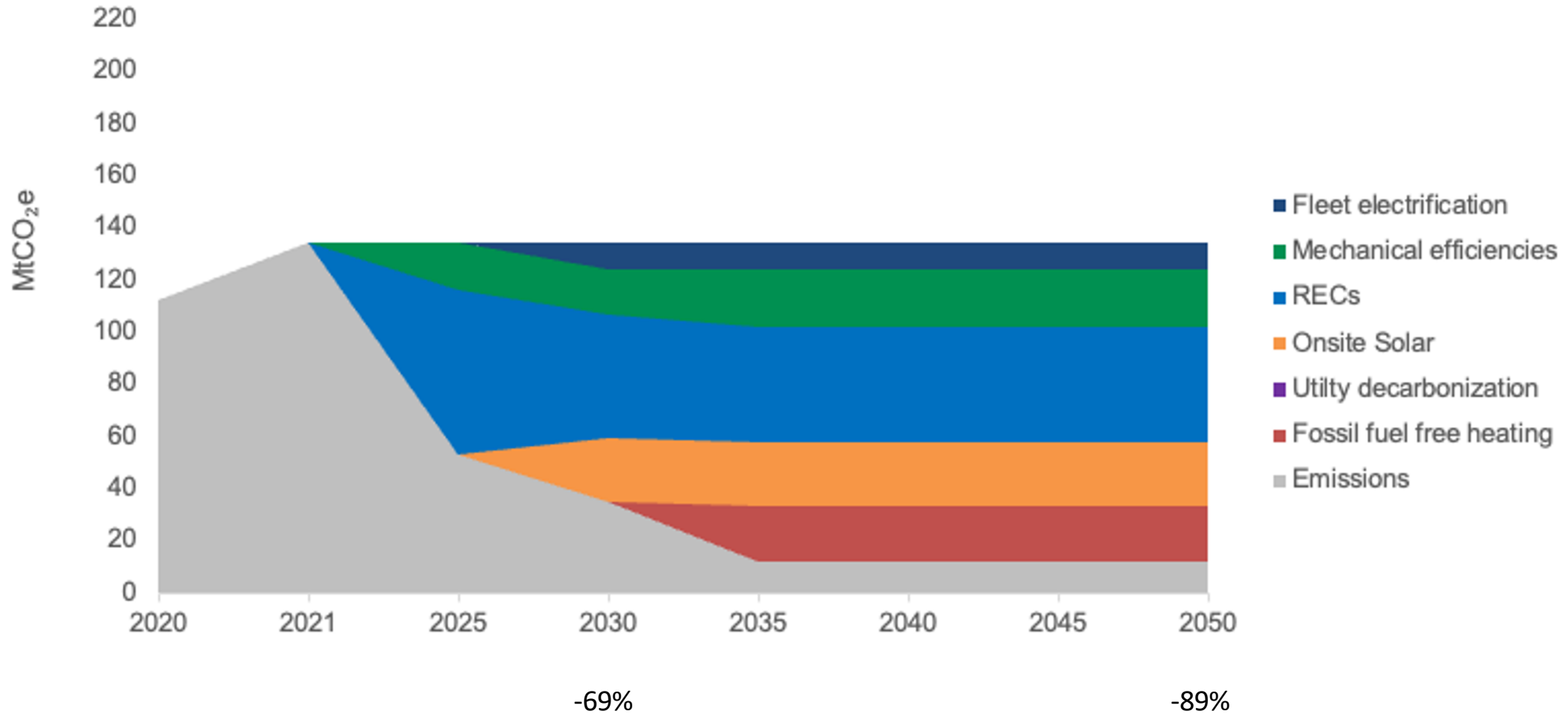
# All in with grid decarbonization

## Net Zero Pathway



# All in to reach net zero

## Net Zero Pathway





# Questions?



Catholic Climate Covenant™  
Care for Creation. Care for the Poor.



Encounter  
FOR OUR COMMON HOME

## Follow-Up and Next Steps

- Reach out to Catholic Climate Covenant for information and assistance regarding Net Zero
- Contact Catholic Energies for solar implementation information
- Sign onto the LSAP if you have not yet done so!
- Join our monthly Encounter for Our Common Home calls!



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Encounter  
FOR OUR COMMON HOME



Email us at: [info@Catholicclimatecovenant.org](mailto:info@Catholicclimatecovenant.org)

More info:

We're All Part of God's Plan(et)  
[www.Godsplanet.us](http://www.Godsplanet.us)

&

Catholic Climate Covenant  
[www.catholicclimatecovenant.org](http://www.catholicclimatecovenant.org)

