



# PCS overview

**Alex Mican**

**Head of Global Strategy & Growth**

**Ted Gregory**

**Head of Global Operations**

**September 7, 2023**

# The PCS Team

## Operations Team

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**Ted Gregory**  
Head of Global Operations

**Michael Thompson**  
CAT Claims Manager

**Bobby Dadra**  
Specialty Claims Manager

**Nilda Cortes**  
Administrative Analyst

**Bill Kennedy**  
Senior Claims Consultant

**Ryan K Smith**  
Claims Analyst

**Adding two new  
Claims Analysts by  
end of 2023**

**Ling Wang**  
Claims Analyst

**John Maltez**  
Claims Analyst

## Strategy Team, Financial Markets

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**Alex Mican**  
Head of Global Strategy & Growth

**Noelle Wisdom-Harley**  
Rev Optimization Specialist

**Andre Wright**  
Product Development

## What: PCS Executive Introduction

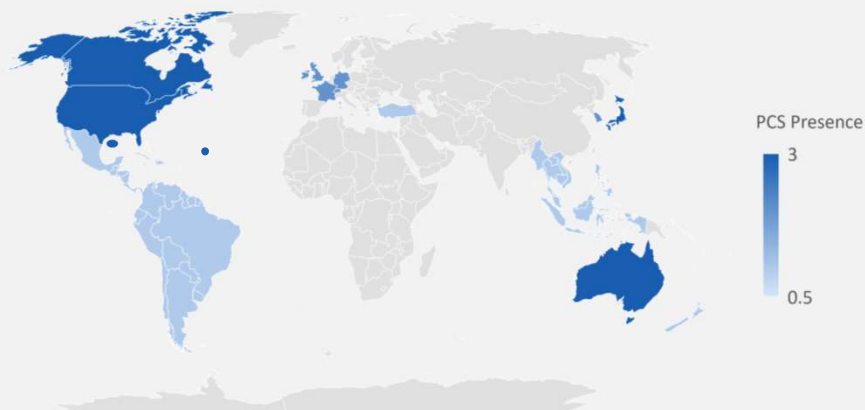
- We inform the P&C industry and global markets on the frequency and severity of loss events based on retrospective claims and data review
- We provide raw material to the entire global re/insurance community
  - U.S. catastrophe claim information since 1949
  - Loss development surveys started in 1998
- Raw material = industrywide insured loss data ... and increasingly other types of insurance data
- “Independent industry loss reporting agency” ... that’s how some customers refer to us

**Aggregating Industry Claims Data for over 70 Years**

# A Rapidly Accelerating Expansion Timeline



PCS Around the World



Powered by Bing  
© Australian Bureau of Statistics, GeoNames, Microsoft, Navinfo, OpenStreetMap, TomTom, Wikipedia

1. Catastrophe risk reporting area
2. Fee-paying clients
3. Catastrophe risk reporting area and fee-paying clients

\*GM&E – Global Marine & Energy;  
\*SRCC – Strike Riot & Civil Commotion;  
\*GoM – Gulf of Mexico

# Good news for some is bad news for others



BUSINESS INSURANCE

THURSDAY, MAY 25, 2023



## Breaking News Alert



### US forecasters call for near-normal Atlantic hurricane season

The Atlantic hurricane season will bring an average number of ocean storms and hurricanes, according to the National Oceanic and Atmospheric Administration.

[Read More](#)



Phil Klotzbach

[philip.klotzbach@colostate.edu](mailto:philip.klotzbach@colostate.edu) [Website](#)

Phil Klotzbach

Klotzbach is responsible for the seasonal Atlantic hurricane forecasts issued during the peak months between August and October.

A member of the CSU Tropical Weather and Climate Research team, Klotzbach was co-author on the Atlantic basin hurricane forecasts with William Gray through 2005, becoming first author in 2006.

**College**  
Walter Scott, Jr. College of Engineering  
**Department**  
Atmospheric Science

The Washington Post  
*Democracy Dies in Darkness*

### Scientists predict slightly below-average Atlantic hurricane season

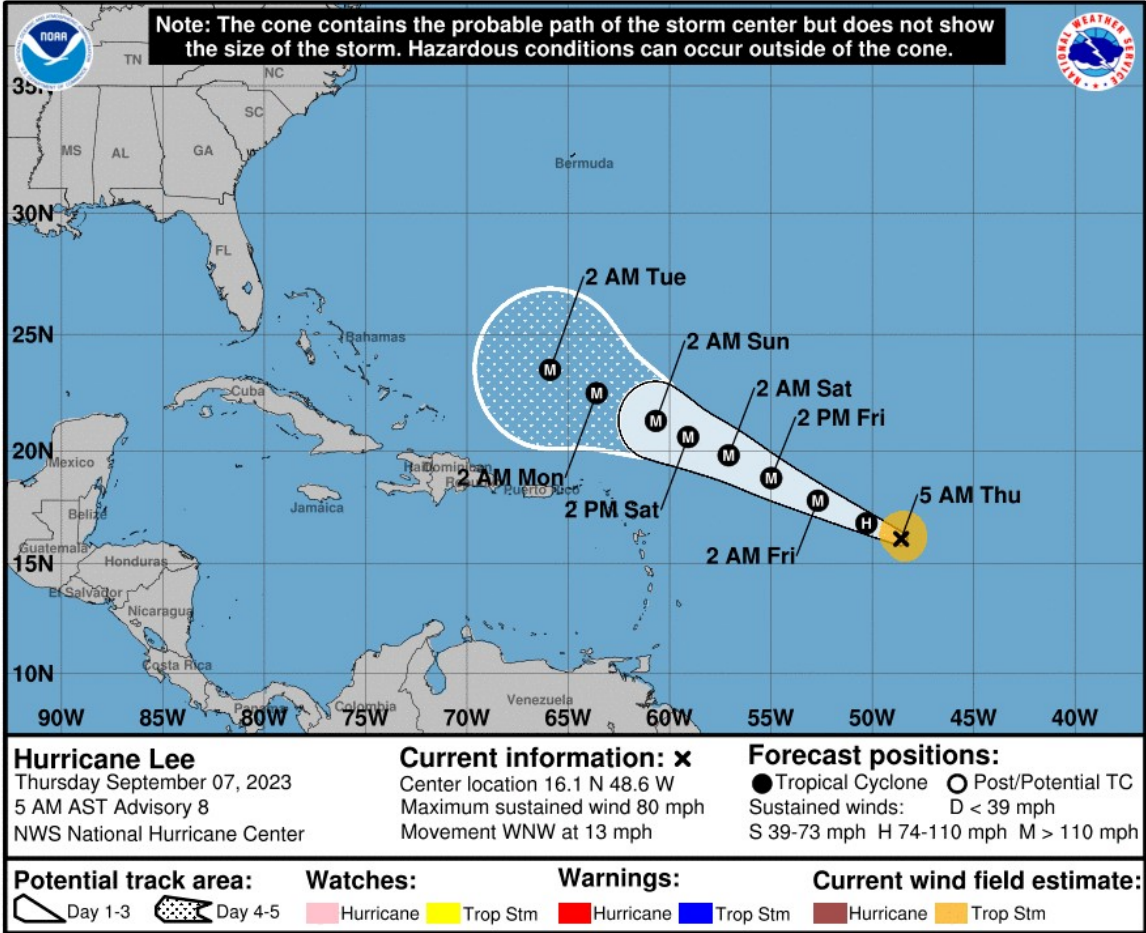
Outlook from Colorado State researchers would mean first below-average season in the region since 2014

By Matthew Capucci  
April 13, 2023 at 10:16 a.m. EDT



Flooding and storm damage after Hurricane Ian ravaged Fort Myers Beach in Florida in September. (Thomas Simonetti for The Washington Post)

# Good news for some is bad news for others



# Over 70 years of service to the insurance community

**OFFICERS**

J. M. HAINES, PRESIDENT, NEW YORK

W. ROSS McCAIN, VICE-PRESIDENT, HARTFORD

PETER J. BERRY, SECRETARY, NEW HAVEN

B. M. CULVER, TREASURER, NEW YORK

W. E. MALLALIEU, GENERAL MANAGER, NEW YORK

**CATASTROPHE BULLETIN**

ESTABLISHED IN 1866  
85 JOHN STREET  
NEW YORK 7

**ACTUARIAL BUREAU COMMITTEE**

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IVAN ESCOTT, NEW YORK  
WILLIAM F. DOOLEY, NEW YORK  
H. R. TOMLINSON, HARTFORD  
J. C. EVANS, NEW YORK  
JOHN R. BARRY, NEW YORK  
HAROLD JUNKER, NEW YORK  
FRED W. SULLIVAN, SAN FRANCISCO  
F. R. SCOTT, NEW YORK  
JAMES F. GRADTS, SAN FRANCISCO  
BRUNO C. VITT, NEWARK  
H. T. SILVERSIDES, NEW YORK  
W. L. FALK, NEW YORK  
GILBERT KINGAN, HARTFORD  
D. J. COWIE, NEW YORK  
C. H. CONKLIN, NEW YORK  
J. C. RULLETT, HARTFORD

May 18, 1949

**CATASTROPHE BULLETIN NO. 2**

**TO COMPANIES, MEMBERS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS AND SUBSCRIBERS TO THE ACTUARIAL BUREAU:**

**AMARILLO, TEXAS  
TORNADO -- MAY 15, 1949**

Confirmation of preliminary estimates indicates the tornado which struck Amarillo, Texas, and surrounding area in the Texas Panhandle on Sunday, May 15, 1949, will result in losses of catastrophe proportions from windstorm and hail. It is, therefore, requested that you arrange to assign Serial No. 01 to this catastrophe and identify all losses paid in connection with this occurrence so that the necessary supplemental report of classified experience can be made to the Actuarial Bureau of the National Board at the end of the year.

Reference is made to Catastrophe Bulletin No. 1, dated April 20, 1949, for details relative to the information that will be needed in connection with your reporting of underwriting experience.

Very truly yours,

*W. E. Mallalieu*  
General Manager

MVG



PROPRIETARY AND CONFIDENTIAL

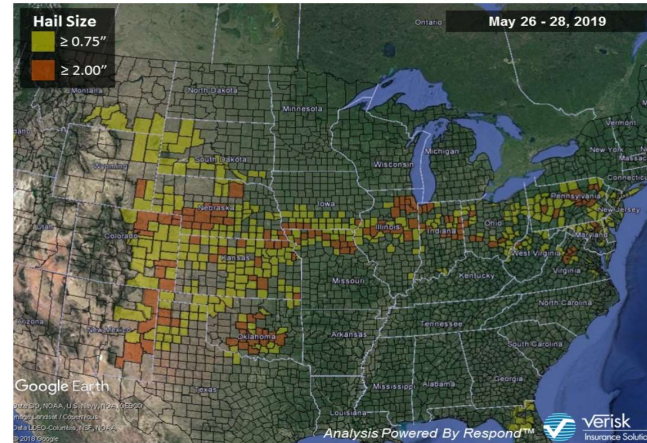
CATASTROPHE BULLETIN

**CATASTROPHE SERIAL NO. 1933**

**EXTENSION - DATES and STATES**

- DATES:** May 26, 2019 To May 28, 2019  
**EXTENDED TO INCLUDE:** May 28, 2019 To May 29, 2019  
**STATES:** Colorado, Illinois, Indiana, Iowa, Kansas, Nebraska, Ohio, Wyoming  
**EXTENDED TO INCLUDE:** Missouri, New Jersey, New York, Oklahoma, Pennsylvania, and Possibly Other Areas.  
**PERILS:** Flooding, Hail, Tornadoes, Wind  
**STORM FAMILY:** Wind and Thunderstorm Event

**OVERVIEW OF EVENT**



# New PCS SWS Dashboard

Property Claim Services

- Narrative
- Forecast
- Storm Reports
- Excessive Rainfall & Severe...
- Freezing Rain & Heavy Snow Forecast
- Rainfall Forecast & Flood Outlook
- Tropical Weather Outlook
- Details
- ?



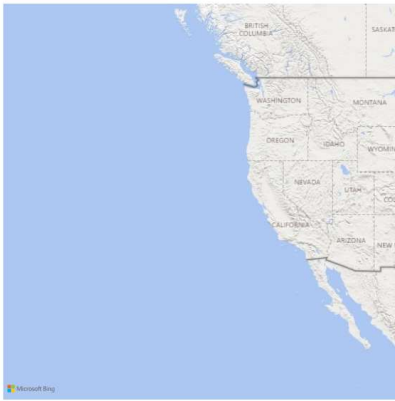
## SEVERE WEATHER SUMMARY

Short Range Forecast Discussion  
 NWS Weather Prediction Center College Park MD  
 359 AM EDT Thu Mar 30 2023  
 Valid 12Z Thu Mar 30 2023 - 12Z Sat Apr 01 2023  
 ...Strong storm system will result in severe thunderstorms and heavy rain for the Plains/Mississippi Valley; Critical Risk of Fire Weather for the Central/Southern High Plains...  
 ...Heavy snow, blizzard conditions, and accumulating freezing rain forecast for the Northern Plains and Upper Midwest Friday...  
 ...Locally heavy mountain snow over the Intermountain West ahead over another Pacific storm system impacting the Pacific Northwest Friday...

Property Claim Services

- Narrative
- Forecast
- Storm Reports
- Excessive Rainfall & Severe...
- Freezing Rain & Heavy Snow...
- Rainfall Forecast & Flood Outlook
- Tropical Weather Outlook
- Details
- ?

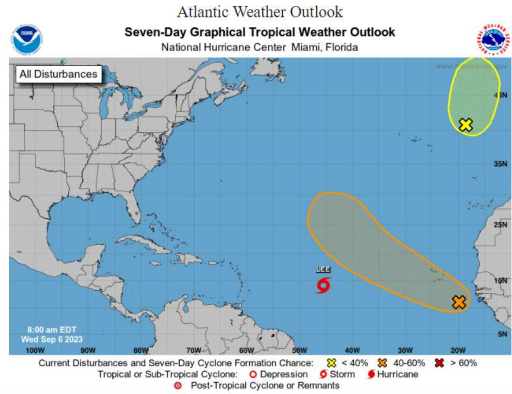
Map Updated as of: 09-06-2023 11:30 am EST  
 Reports For: 09-05-2023



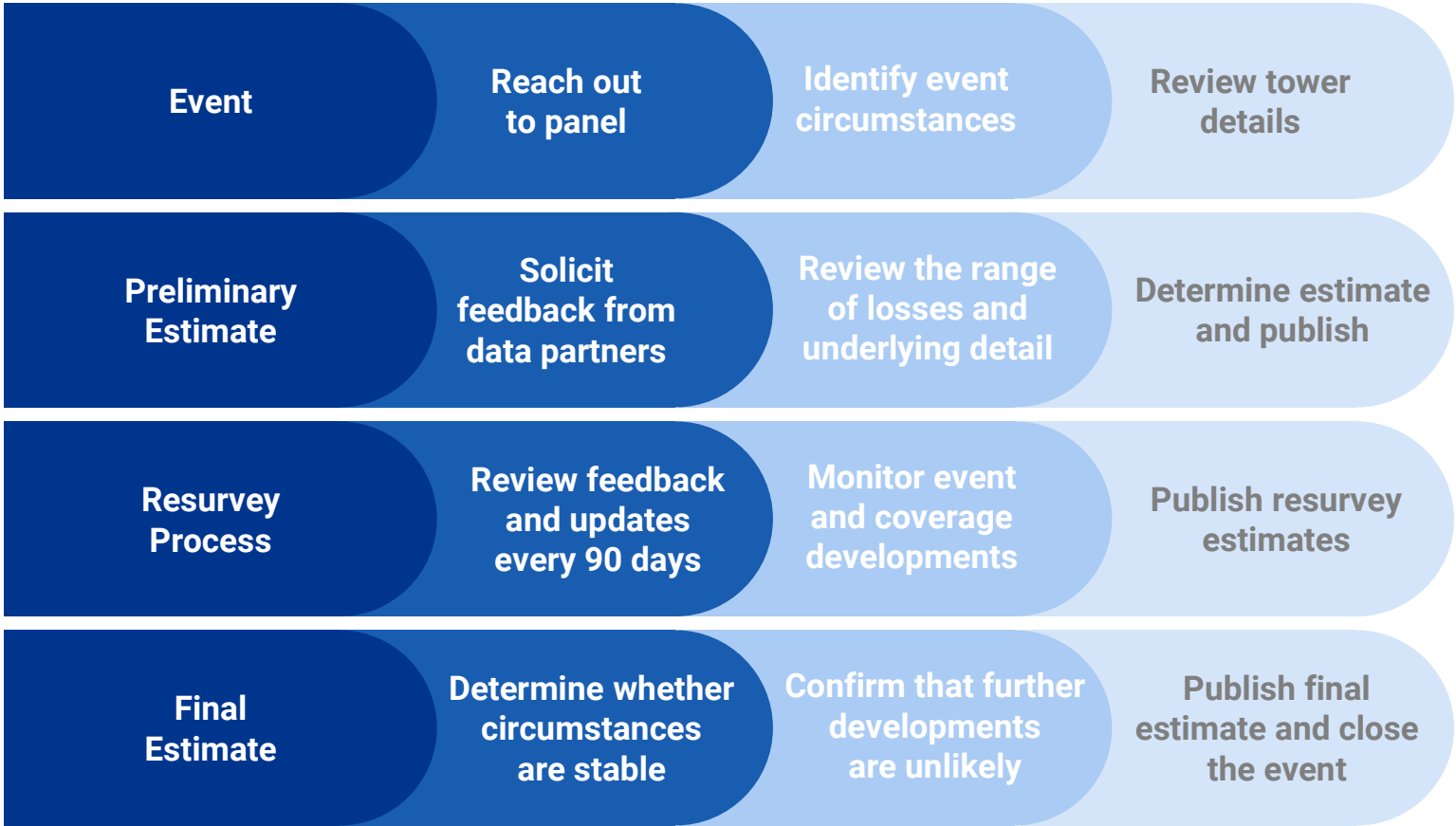
Hail Property Claim Services

- Narrative
- Forecast
- Storm Reports
- Excessive Rainfall & Severe...
- Freezing Rain & Heavy Snow...
- Rainfall Forecast & Flood Outlook
- Tropical Weather Outlook
- Details
- ?

Map Updated as of: 09-06-2023 12:02 pm EST  
 Reports For: 09-06-2023



# How? High-Level Process Overview



# PCS Customer Profiles



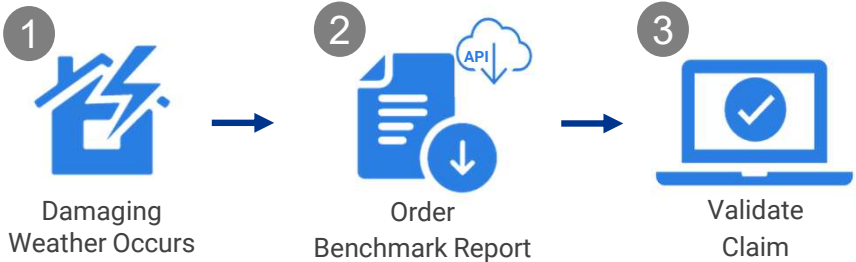
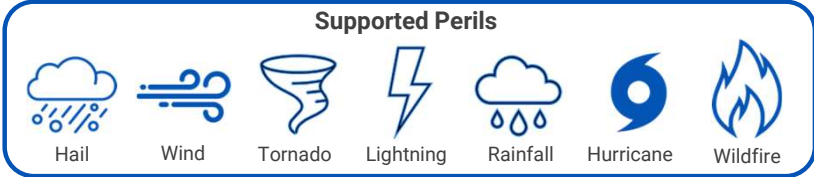
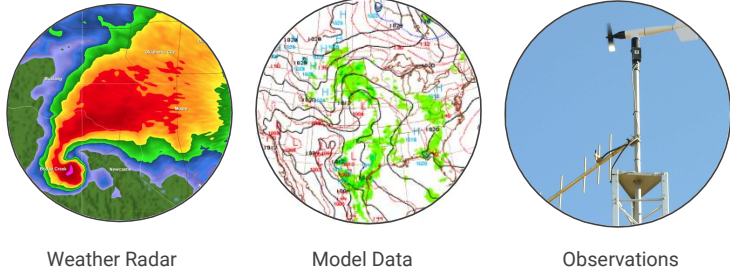
User Type	Company Type	Uses
Claims	Insurer/Independent Adjuster	<ul style="list-style-type: none"> <li>• Estimated/average paid</li> <li>• Trends by region</li> <li>• Varied claim intelligence</li> </ul>
Actuarial/modeling	Insurer/reinsurer/ILS Fund/Broker	<ul style="list-style-type: none"> <li>• Pricing</li> <li>• Reserving</li> <li>• Cat modeling</li> </ul>
Underwriting	Insurer/reinsurer	<ul style="list-style-type: none"> <li>• Deal evaluation</li> <li>• Terms review</li> <li>• Benchmarking</li> </ul>
Portfolio analyst/manager	ILS Fund	<ul style="list-style-type: none"> <li>• Deal evaluation</li> <li>• Terms review</li> <li>• Benchmarking</li> </ul>
Reinsurance Broker	Broker	<ul style="list-style-type: none"> <li>• Benchmarking</li> <li>• Deal marketing and syndication</li> <li>• Pricing and reserving</li> <li>• Client engagement</li> </ul>
Investor Relations	ILS Fund	<ul style="list-style-type: none"> <li>• Communicate with end investors</li> <li>• Capital introduction</li> </ul>

# Verisk Weather Solutions

## Improve Results with Weather Data & Analytics

- Industry-leading algorithms developed by Verisk radar scientists and meteorologists
  - Part of Verisk’s enterprise-wide offering of insights and solutions for insurance industry
  - Validated against industry claims data
  
- **Respond™** geospatial weather data and analytics available minutes after a storm
  - Data delivery via API, SFTP, Respond MAP, and soon Web Feature Service (WFS)
  
- **Benchmark™** weather history reports available at FNOL
  - Available across the Verisk ecosystem, third-party integrations, and via API

### Verisk Proprietary Algorithms Use



# PCS Designated Event Definitions and Process

- Event definition dates, states, perils are based on meteorological input from multiple sources internal and external
- Feedback from insurers (national, local, international) is essential to the definition determination
- Our partners in the industry are encouraged to notify PCS of surges in claims activity at any time whether an investigation is initiated by PCS or not regarding potential extensions that may be warranted for existing PCS events or for any new activity that PCS has or has not initiated inquiries on

PROPRIETARY AND CONFIDENTIAL
CATASTROPHE BULLETIN

**CATASTROPHE SERIAL NO. 2365**

**EXTENSION - PERILS**

**DATES:** August 20, 2023 To August 21, 2023

**STATE:** Arizona, California, Nevada, and Possibly Other Areas.

**PERIL:** Flooding, Hail, Tropical Storm, Wind

**EXTENDED TO INCLUDE: Earth Movement**

**STORM FAMILY:** Tropical Storm Hilary

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**OVERVIEW OF EVENT**

Analysis Powered By Respond

PCS requests carriers seeing activity in any additional states to please contact us at [info.pcs@iso.com](mailto:info.pcs@iso.com)

PROPRIETARY AND CONFIDENTIAL
CATASTROPHE BULLETIN

**CATASTROPHE SERIAL NO. 2362**

**EXTENSION - DATES**

**DATES:** August 8, 2023 To August 13, 2023  
EXTENDED TO INCLUDE: August 13, 2023 To August 14, 2023

**STATES:** Hawaii

**PERILS:** Fire

**STORM FAMILY:** Wildland Fire Lahaina Fire



The aerial fire imagery of the Maui Wildfire by NOAA is available here

# Data collection from contributors

## PCS Survey for Catastrophe Serial No. 2261

**Dates:** Sep 27, 2022 to Oct 01, 2022  
**States:** Georgia, North Carolina, Virginia, South Carolina, Florida  
**Perils:** Hurricane, Flooding, Wind, Tornadoes  
**Storm Family:** Hurricane Ian

PCS is requesting loss information specific to this Catastrophe. Ultimate estimated claim count with total anticipated loss payment or reserve will greatly assist PCS in compiling a reliable industry loss estimate for this catastrophe. Please do not include National Flood or Write-Your-Own flood loss statistics.

If you are unable to complete the online form, please email the completed excel survey form to: [info.pcs@iso.com](mailto:info.pcs@iso.com)

As always, PCS assures the confidential treatment of the loss information and appreciates your input and support.

Sincerely,  
Property Claim Services Team

Company name: **INSURANCE SERVICES OFFICE**

Date: Sep 06, 2023

State	Automobile		Personal Property		Commercial Property	
	#	\$	#	\$	#	\$
FL						
GA						
NC						
SC						
VA						

Insured Loss:  Incurred  Ultimate  Other

Notes:

[Download](#) 

## PCS Reporting Timeframes

- Event designation: target within 24 - 48 hours
- Preliminary industry loss estimate: +15 days
- Resurvey industry loss estimates: +60 days
- Final industry loss estimate: when PCS deems the loss estimate “stable”
  
- Notes:
  - Timeframes are estimates that can be influenced by conditions on the ground
  - Resurveys - US above \$250mn; all Canadian events receive at least one resurvey
  - - **Evaluating modification to resurvey threshold for U.S.**
  - Resurveys calculated until the loss data is “Stable”
  - Successive resurveys with consistent underlying data
  - No outstanding factors (e.g., class action litigation) that could have a significant effect on the industry loss estimate
  - PCS Specialty lines (Global Marine and Energy, Global Cyber, Global Terror, PCS Japan) follow a modified survey and resurvey approach

## PCS Estimate Process Overview

- Survey request to carriers and residual markets in impacted states
- Target 70% market share for commercial, auto, residential
- Estimate requests are for ultimate loss in each category
- Include on the ground assessment for larger cats
- Inclusion of state residuals, E&S assessment, captive review
- Business intelligence in media, industry contacts, public information
- Use of Verisk tools to assess damages to known structures
- Review internally other ISO related data sources
- Aggregate to state and total levels; looking for market outliers
- Team review, publish & if final, initiate data destruction process
- PCS Specialty lines (Global Marine and Energy, Global Cyber, Global Terror, PCS Japan) process involves input from reinsurers and market experts versus traditional PCS process

# PCS County Level Estimates

- County level estimates
- Events over \$1bn from 2019 and forward to including the 2018 Hurricanes Florence and Michael and the California wildfires as well as 2017 Hurricanes Harvey, Irma and Maria

PCS Catastrophe Serial No. 2261 (Hurricane Ian) - County Estimates


IP ISOnetProductNews@iso.com  
To: Alets PCS

Retention Policy: Verisk 2 Year Retention Policy (2 years) Expires: 8/24/2025

ⓘ If there are problems with how this message is displayed, click here to view it in a web browser.

Reply Reply All Forward

Fri 8/25/2023 5:55 PM




**PCS County Estimates**  
CATASTROPHE SERIAL NO. 2261 – Hurricane Ian

The latest county estimate file for PCS Catastrophe Serial No. 2261 is now available.

To get the most recent information about this event, and for the current bulletin, go to [ISONet PCS](#) »

Catastrophe Bulletins deliver bulletins by catastrophe numbers selectable by date, state, and perils.

[Go to Catastrophe Bulletins now »](#)



[Get Event Details Now »](#)

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Visit the Insurance Lines Services website at <http://www.iso.com/isl> for information on changes to ISO rules and forms, future program revisions, and status of current major filings.

Verisk ISO

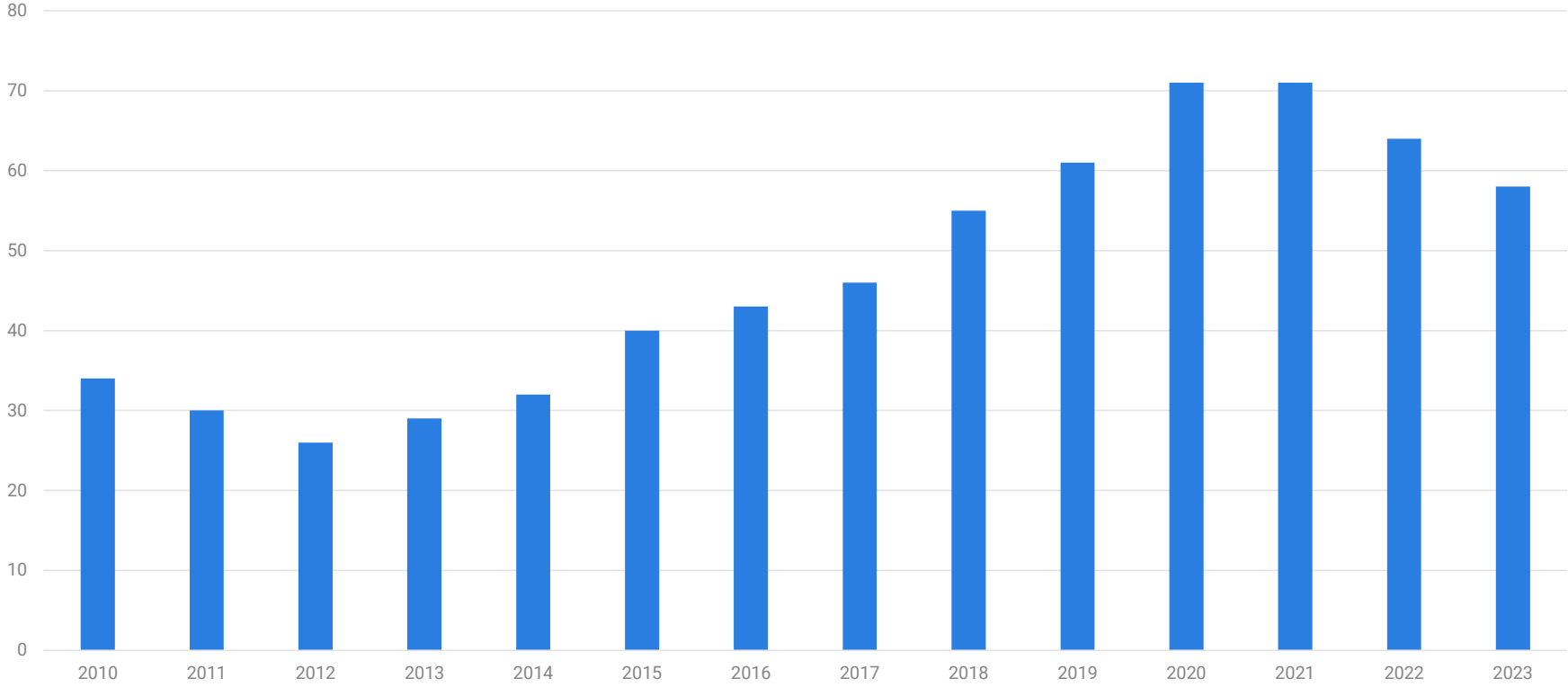
## Market Share Data for Qualifying Events

- Market share by line of business
- Events over \$1bn from 2019 and forward to including the 2018 Hurricanes Florence and Michael and the California wildfires as well as 2017 Hurricanes Harvey, Irma and Maria

	<u>Number Of Claims</u>	<u>Average Payment</u>	<u>Total Dollars</u>	<u>Market Share</u>
<b>Alabama</b>				
Personal	1,000	\$ 100,000	\$ 100,000,000	70%
Commercial	1,000	\$ 100,000	\$ 100,000,000	70%
Auto	1,000	\$ 1,000,000	\$ 1,000,000,000	70%
<b>Total</b>	<b>3,000</b>	<b>\$ 400,000</b>	<b>\$ 1,200,000,000</b>	
<b>Arizona</b>				
Personal	1,000	\$ 100,000	\$ 100,000,000	70%
Commercial	1,000	\$ 100,000	\$ 100,000,000	70%
Auto	1,000	\$ 100,000	\$ 100,000,000	70%
<b>Total</b>	<b>3,000</b>	<b>\$ 100,000</b>	<b>\$ 300,000,000</b>	
<b>TOTALS</b>	<b>6,000</b>	<b>\$ 250,000</b>	<b>\$ 1,500,000,000</b>	

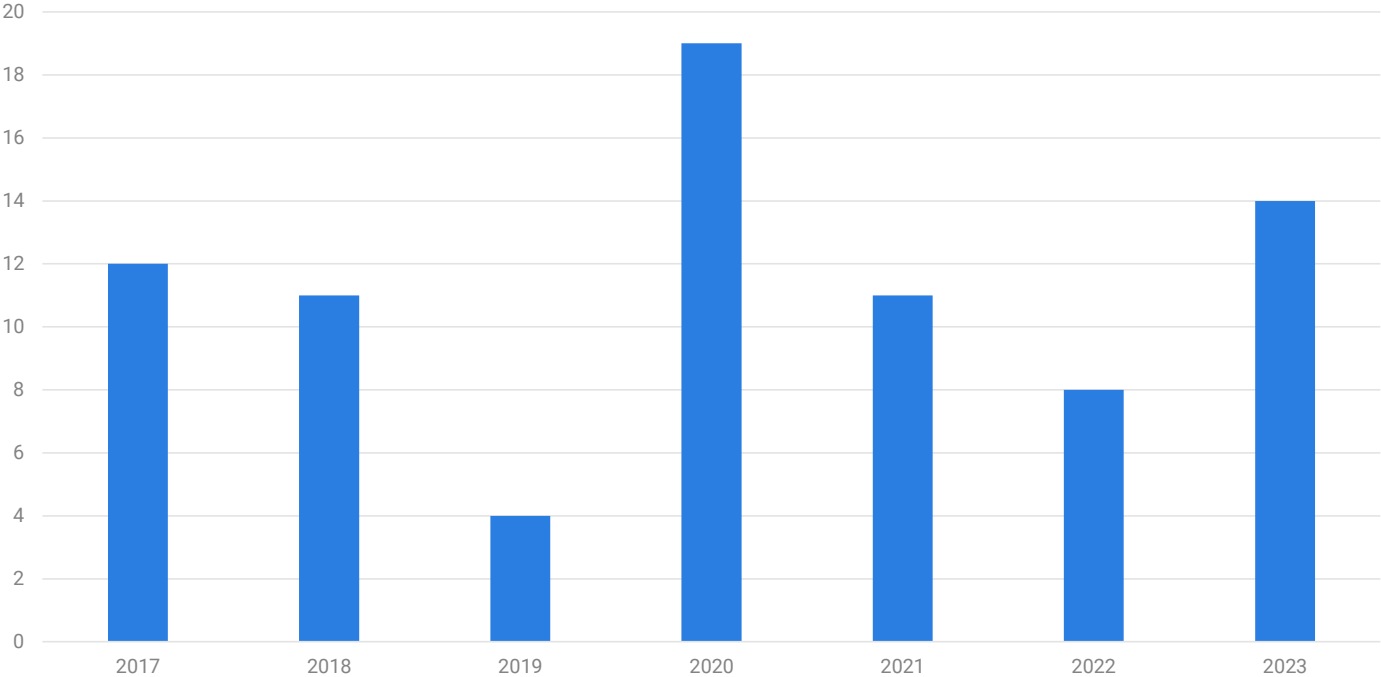
# US Cat NatCat trends

PCS US Events 2010 - 2023



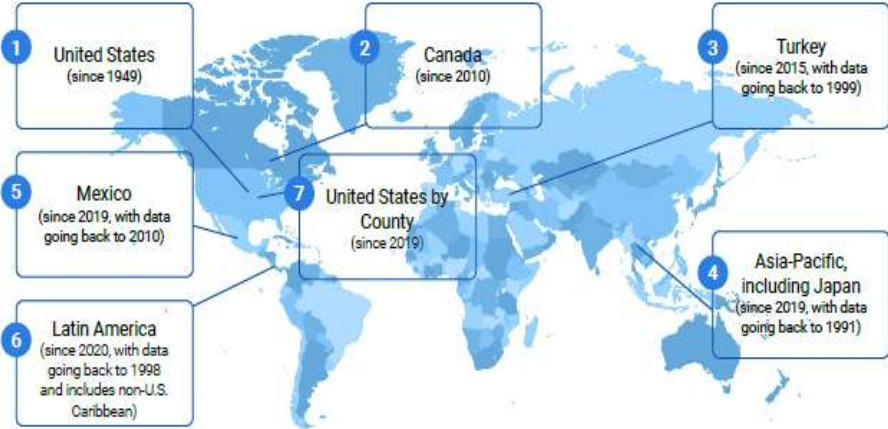
# US Cat NatCat trends

PCS US Billion Dollar Events 2017 - 2023



# PCS Catastrophe Monetary Threshold

- 1949 through 1980 - \$1mn
- 1980 through 1998 - \$5mn
- 1998 though current date - \$25mn
- Future new threshold - \$???mn



● Catastrophe

Global Noncatastrophe	
Marine and energy	(since 2017, with data going back to 1992)
Cyber risk losses and cyber catastrophe	(since 2017, with data going back to 2013)
Terror	(since 2018, with data going back to 1990)
Large onshore risk losses	(since 2020, with data going back to 1989)
Aviation	(since 2021, with data going back to 1977)

\* PCS estimates for all products are not adjusted for inflation.



# PCS Specialty Lines

## How PCS Gathers Data

- **Core Methodology: United States, Canada, Mexico, Turkey**
  - Engage with insurers affected by an event
  - Ascertain their projected ultimate loss and claim count by state/province/CRESTA and class of business
  - Project 100% of the total industry loss
  - First estimate 15 days after the event, resurveys every 60 days thereafter until estimates are stable
- **Specialty Methodology (modified delphi methodology)**
  - Engage with re/insurers with exposure to the loss event
  - Gather perspectives from a panel of ~30 companies
  - Set an initial benchmark
  - Refine estimates with additional feedback and context from panel
  - Resurveys every 90 days until estimates are stable
- **Streamlined Catastrophe Methodology (modified delphi methodology)**
  - Same as specialty methodology but applied to property-catastrophe jurisdictions
  - Japan/APAC, LatAm, Non-U.S. Caribbean, Turkey

# PCS Global Cyber and PCS Global Energy and Marine

- Event definition dates, location perils are based on input from multiple sources internal and external
- Feedback from insurers (national, local, international) is essential to the definition determination
- PCS Cyber designation threshold - \$20mn
- PCS Global Marine and Energy designation threshold - \$100mn

PROPRIETARY AND CONFIDENTIAL

## EVENT SERIAL NO. 1714

### FINAL ESTIMATE OF INSURED LOSS

**DATE:** May 1, 2017  
**LOCATION:** Brampton, Ontario, Canada  
**PERILS:** Identity - Fraudulent Use or Access, Cyber Extortion, System/Network Security Violation or Disruption, Digital Data Breach, Loss, or Theft, Data - Malicious Breach  
**EVENT FAMILY:** Cyber - Hudson's Bay Company

With further reference to our Event Bulletin No. 1714 - 5 dated November 12, 2018, PCS has prepared the following final estimate of insured loss:

- Hackers have stolen the personal and financial information of customers who shop at Lord and Taylor and Saks Fifth Avenue in the latest of a string of data breaches in recent years.
- The breach was first disclosed by security analysts at Gemini Advisory, revealing that the entire network of Lord & Taylor stores, 83 Saks Fifth Avenue stores, and an unknown number of Saks Off Fifth stores were compromised by malware that breached the point-of-sale system in each location.
- Gemini indicated the breach began in May 2017
- Around July 1, 2017, malware began running on certain point of sale systems at potentially all Saks Fifth Avenue, Saks OFF 5TH and Lord & Taylor locations in North America.
- The malware was designed to collect customers' payment card information, including cardholder name, payment card number and expiration date. The company has no evidence that contact information, Social Security or Social Insurance numbers, driver's license numbers, or PINs associated with the cards were affected by this issue.
- Records for more than five million credit and debit cards used at all the chains' North American locations were compromised, according to Gemini Advisory, a cybersecurity firm. Most were obtained from stores in New York and New Jersey, Gemini said.

PROPRIETARY AND CONFIDENTIAL

## EVENT SERIAL NO. 1812

### PRELIMINARY ESTIMATE OF INSURED PROPERTY DAMAGE

**DATE:** November 16, 2018  
**LOCATION:** Newfoundland Labrador, Canada  
**PERILS:** Exploration and production accidents, Machinery damage/failure  
**EVENT FAMILY:** Energy - White Rose

With further reference to our Event Bulletin No. 1812 - 1 dated August 15, 2019, PCS has prepared the following preliminary estimate of insured property damage:

LOCATION:	Estimated Insurance Payment
Newfoundland Labrador, Canada	(CAD) \$562,000,000
<b>Total All Locations:</b>	<b>(CAD) \$562,000,000</b>

### OVERVIEW OF EVENT



Photo Courtesy of The Western Star

• Severe weather off the coast of Newfoundland and Labrador caused Husky Energy Inc. to shut down oil production on November 15, 2018. The shut down for operations pertained to both White Rose Oil Field and the SeaRose Floating Production Storage and Offloading (FPSO) storage vessel. The following day, Husky set out to resume operations, a decision that led to the largest oil spill in the Newfoundland and Labrador area since November

# PCS Global Large Loss

- Event definition dates, location perils are based on input from multiple sources internal and external
- Feedback from insurers (national, local, international) is essential to the definition determination
- PCS Global Large Loss designation threshold - \$250mn

**EVENT SERIAL NO. 2212**

**PRELIMINARY ESTIMATE OF INSURED PROPERTY DAMAGE**

DATE: June 8, 2022  
 LOCATION: United States  
 PERILS: Fire, Explosion  
 EVENT FAMILY: Freeport LNG

With further reference to our Event Bulletin No. 2212 - 1 dated August 30, 2022, PCS has prepared the following preliminary estimate of insured property damage:

LOCATION:	Estimated Insurance Payment
United States	\$1,000,000,000
<b>Total All Locations:</b>	<b>\$1,000,000,000</b>

**OVERVIEW OF EVENT**



Courtesy of The Guardian

• Freeport LNG is a liquefied natural gas (LNG) export company headquartered in Houston, Texas. The company's three train, 15 million tonnes per year (MTPA) liquefaction facility is the seventh largest in the world and second largest in the United States. Freeport LNG's liquefaction facility is the largest all-electric drive motor plant in the world, making it the most environmentally sustainable site of its kind.

# PCS Global Terror

- Event definition dates, location perils are based on input from multiple sources internal and external
- Feedback from insurers (national, local, international) is essential to the definition determination
- PCS Global Terror designation threshold - \$25mn

## PCS Global Terror catastrophe event definition

A terrorist attack is a premeditated violent act or series of related acts:

- planned and executed in a clandestine or secretive manner;
- committed by an individual or group not acting in a capacity as state actor, whether acting alone or on behalf of or in connection with any organization(s);
- in pursuit of (an) ideological, religious and/or political objective(s);
- causing injury to, or seriously impairing the movement of, civilian or noncivilian personnel;
- and/or causing damage to property, physical or otherwise;
- with the aim of persuading an actor to carry out, alter, or withhold from performing an action, or actions, or pursuing a course of action



PROPRIETARY AND CONFIDENTIAL

### EVENT SERIAL NO. 1612

#### FINAL ESTIMATE OF INSURED PROPERTY DAMAGE

DATE: March 22, 2016  
 LOCATION: Brussels, Belgium  
 PERILS: Bombing, Explosion, Fire  
 EVENT FAMILY: Terrorism

#### VERISK MAPLECROFT INFORMATION

LOCATION: Brussels, Belgium  
 PERPETRATOR GROUP: Islamic Extremist (Sunni)  
 WEAPON TYPE: Explosive  
 DEAD COUNT: 32  
 WOUNDED COUNT: 300

Maplecroft Source

With further reference to our Event Bulletin No. 1612 - 3 dated March 7, 2019, PCS has prepared the following final estimate of insured property damage:

LOCATION:	Estimated Insurance Payment
Brussels, Belgium:	\$285,000,000
<b>Total All Locations:</b>	<b>\$285,000,000</b>

Overview

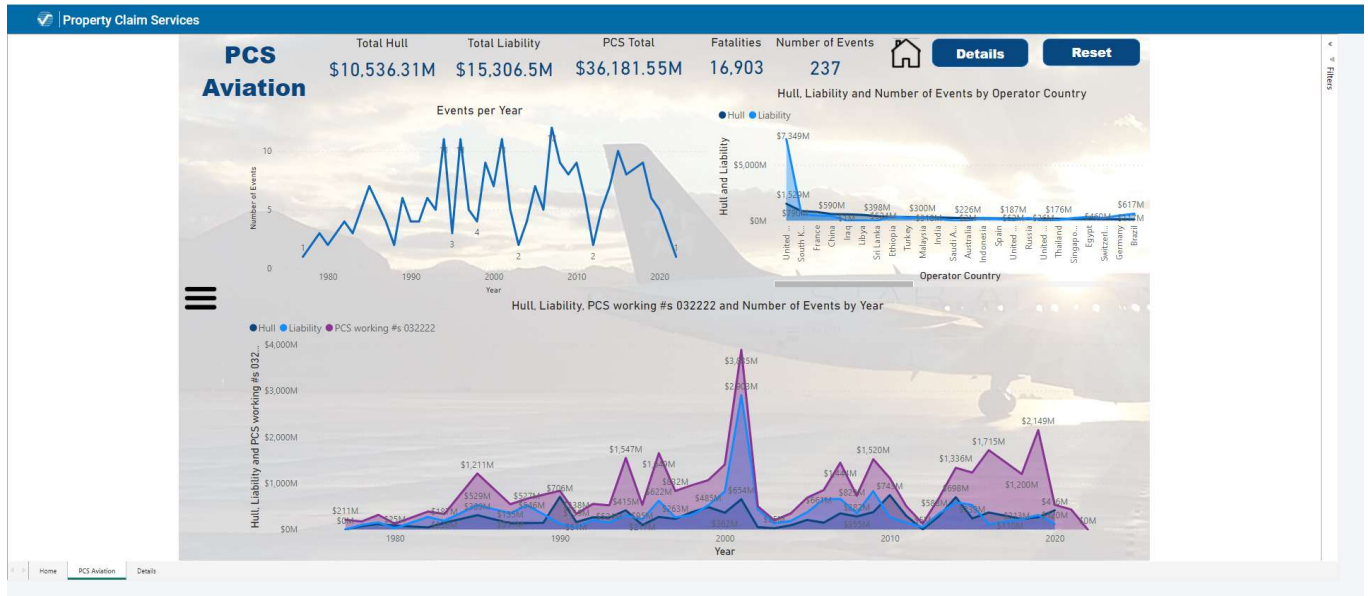


Photos Courtesy of BBC

- On the morning of March 22, 2016, three coordinated suicide bombings occurred in Belgium. Two occurred at the Brussels Airport in Zaventem, and one at Maalbeek metro station in central Brussels.
- Two suicide bombers, carrying explosives in large suitcases, attacked a departure hall at Brussels Airport in Zaventem.
- Another explosion took place just over an hour later in the middle carriage of a three-carriage train at Maalbeek metro station, located near the European Commission headquarters in the center of Brussels.
- Thirty-two civilians and three perpetrators were killed, and more than 300 people were injured.
- Islam: State of Iraq and the Levant (ISIL) claimed responsibility for the attacks.

# PCS Global Aviation

- Newest addition to the PCS suite of Specialty Products
- \$50mn USD designation threshold
- Over 200 new and historical events
- Access to data available through Power BI dashboard



## PCS Global Aviation

EVENT BULLETIN  
PROPRIETARY AND CONFIDENTIAL

### EVENT SERIAL NO. 2213

**DATES:** February 24, 2022 To February 24, 2022  
**LOCATION:** Ukraine  
**PERILS:** Airport  
**EVENT FAMILY:** Antonov Airport

#### OVERVIEW OF EVENT



Courtesy of Los Angeles Times

**NOTE:** PCS has also designated this event as Global Large Loss Event Serial No. 2219.

• Antonov International Airport (GML), also known as Hostomel (or Gostomel) Airport began construction in 1959 near Hostomel, Ukraine. The Airport was owned and operated by Antonov State Enterprise (Ukrainian state-owned aerospace and air defense company). Hostomel is located approximately 6.2 miles (10 kilometers) northwest of Kyiv, the capital of Ukraine. The Ukrainian Air Force had used the airstrip. During the year 1989, the Antonov Airport started to conduct commercial operations as well as military operations.

• On February 24, 2022, President Vladimir Putin of Russia announced "special military operation" in Ukraine. Shortly after the announcement Russian Airborne Forces engaged in conflict at Antonov Airport. The proximity to the capital made Antonov Airport a strategic airfield to control.



# PCS Transparency

## The Burning Questions About PCS

Question	Answer	Commentary
What market share do you get reporting in?	We aim for at least 70% and generally do (much) better	<ul style="list-style-type: none"> <li>• Current agreements with data providers prohibit further market share confirmation</li> <li>• Events &gt;1bn – market share in bulletins since 2019</li> </ul>
Do you account for (and get data from) the E&S market	Yes and yes	<ul style="list-style-type: none"> <li>• It's hard to expand on "yes"</li> <li>• Significant improvements over the past five years</li> <li>• We continue to invest in this space</li> </ul>
Do you account for (and get data from) Lloyd's and Lloyd's market participants	Yes and yes	<ul style="list-style-type: none"> <li>• We get data from a wide range of sources regarding Lloyd's losses</li> <li>• We check private data against publicly available data</li> </ul>
When do you close a cat event?	When we believe the underlying estimates are stable	<ul style="list-style-type: none"> <li>• There is no set timeframe</li> <li>• Longest was 39 months (Irma)</li> <li>• We wait for all data suppliers to indicate underlying stability</li> </ul>
Can you provide more granularity to your data?	Yes as long as the underlying market provides it to us	<ul style="list-style-type: none"> <li>• PCS started reporting county level data in 2019</li> <li>• Provided historical events for HIM</li> <li>• Events &gt;1bn get county level estimates 2-3 weeks after state estimates</li> </ul>

## Truths about PCS data

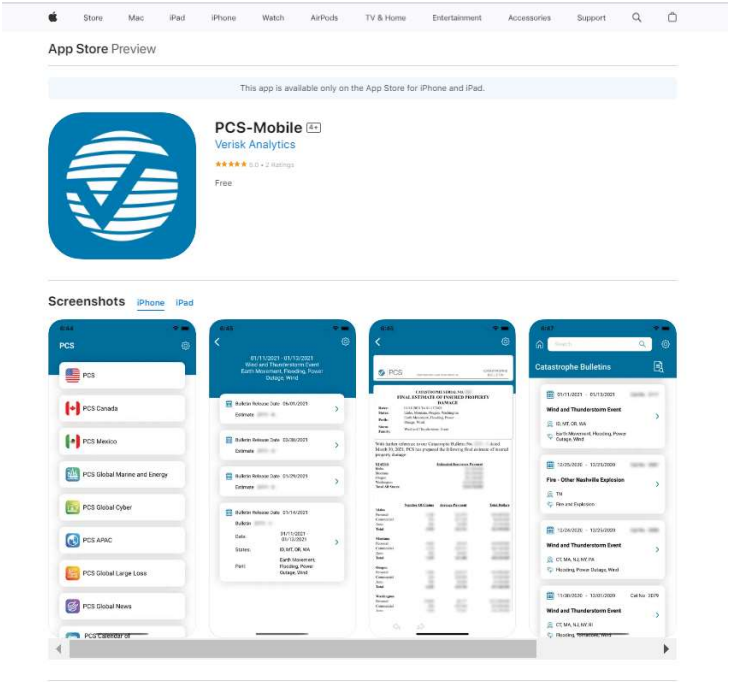
- First, nobody outside the ops team knows who we get data from (except each company supplying data)
- A company may have different divisions or subsidiaries providing data to PCS, and one might not be aware of what others are doing.
- Different divisions of a company may have different relationships with PCS and not be aware of data contribution status.
- We may pick up (at least part of) a company's losses through other ISO sources – except AIR. **Our ops team has no formal or informal collaborative relationship with AIR.**
- PCS has a wide range of cat market stakeholder relationships that also support our development of industry loss estimates:
  - State emergency management departments and municipal bodies
  - Independent adjusting firms
  - Forensic accountants and other experts working on complex issues such as business interruption
  - **Various public sources of information**



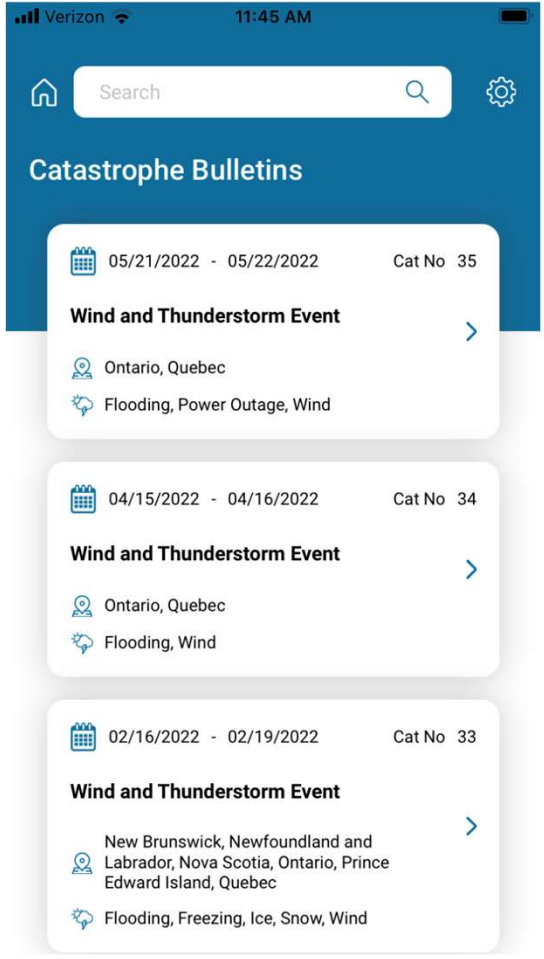
# Improvements



# PCS Mobile App



Immediately get PCS data from wherever you are to plan and coordinate activities during a catastrophe. Regardless of whether you are on the road, in the field or at the office, you can quickly determine how to scale your operations. At the touch of a button, you are able to access the vital information you need to make critical decisions for your business.



**CATASTROPHE BULLETIN**  
PROPRIETARY AND CONFIDENTIAL

**CATASTROPHE SERIAL NO. 35**  
**PRELIMINARY ESTIMATE OF INSURED PROPERTY DAMAGE**

<b>Dates:</b>	05/21/2022 To 05/22/2022
<b>Provinces:</b>	Ontario, Quebec
<b>Perils:</b>	Flooding, Power Outage, Wind
<b>Storm Family:</b>	Wind and Thunderstorm Event

With further reference to our Catastrophe Bulletin No. 35 - 1 dated May 24, 2022, PCS has prepared the following preliminary estimate of insured property damage:

PROVINCES	Estimated Insurance Payment (CAD)
Ontario	\$1,611,100,000
Quebec	\$309,700,000
<b>Total All Provinces:</b>	<b>\$1,920,800,000</b>

	Number Of Claims	Average Payment (CAD)	Total Dollars (CAD)
<b>Ontario</b>			
Personal	79,000	\$15,911	\$1,257,000,000
Commercial	4,300	\$65,581	\$282,000,000
Auto	8,900	\$8,101	\$72,100,000
<b>Total</b>	<b>92,200</b>	<b>\$17,473</b>	<b>\$1,611,100,000</b>
<b>Quebec</b>			
Personal	17,000	\$14,000	\$238,000,000
Commercial	600	\$67,333	\$40,400,000
Auto	3,900	\$8,025	\$31,300,000
<b>Total</b>	<b>21,500</b>	<b>\$14,404</b>	<b>\$309,700,000</b>
<b>TOTALS</b>	<b>113,700</b>	<b>\$16,893</b>	<b>\$1,920,800,000</b>

# New PCS Website Under Development

The screenshot shows a web browser window with the URL `pcs.iso.com`. The main navigation bar is dark blue with the text "Property Claim Services" on the left. On the right side of the navigation bar, there is a search bar, a help icon, a grid icon (highlighted with a red box), a calendar icon, and a notification bell icon.

Below the navigation bar is a sidebar menu with the following items:

- Catastrophe bulletins
- Bulletins 1949 - 1997
- Daily severe weather summaries
- Storm & event tracking reports
- Catastrophe news
- Catastrophe history reporter
- US-catastrophe analyzer tool (US-CAT)
- PCS Flatcat
- County level event data

The main content area is titled "Catastrophe bulletins" and includes the instruction: "Click the catastrophe number to view detailed information on the event." There is a toggle switch for "View favorites only".

	Cat number	From	To	Cat name	States	Perils
☆	2242	06/22/2022	06/23/2022	Wind and thunderstorm event	OH, PA, VA	Flooding, Hail, Tornadoes, Wind
★	1744	06/11/2022	06/17/2022	Wind and thunderstorm event	GA, IL, IN, KS, NC, NE, NY, OH, SC, SD, VA, WI	Flooding, Hail, Tornadoes, Wind
☆	2242	06/04/2022	06/08/2022	Wind and thunderstorm event	CO, IA, IN, KS, MO, NE, OH, OK, TX	Flooding, Hail, Tornadoes, Wind
★	2241	06/01/2022	06/03/2022	Wind and thunderstorm event	TX	Flooding, Hail, Wind
☆	2240	06/03/2022	06/06/2022	Wind and thunderstorm event	FL	Flooding, Wind

Below the table, there is a note: "They are displayed differently (PDF vs HTML). Pull everything into cat bulletins..."



## Questions?

**Alex Mican**

**Phone: +1 201 275 5674**

**Email: [amican@verisk.com](mailto:amican@verisk.com)**

**Ted Gregory**

**Phone: + 1 201 253 6866**

**Email: [tgregory@verisk.com](mailto:tgregory@verisk.com)**