

# Illinois Quantum & Microelectronics Park **Informational Meeting**

September 26, 2024



# AGENDA

## ➤ **Welcome and Recap**

Tom Anderson; Director, Economic Development, Chicago Mayor's Office

## ➤ **Quality of Life Plan**

Angela Hurlock, Chief Executive Officer, Claretian Associates  
Rosa Ortiz; Founder and Principal, 3e.studio

## ➤ **PsiQuantum and the Selection Process**

Josh Richman; Senior Vice President of Corporate Development, PsiQuantum  
Mo Green; Head of Market Development and Community and Government Affairs, PsiQuantum

## ➤ **Development Overview**

Ann Thompson; Executive Vice President, Related Midwest  
Yanet Garcia; Vice President Construction, Related Midwest

## ➤ **Breakout Rooms**

An aerial photograph of a city, likely Chicago, with a large area in the foreground highlighted in a semi-transparent blue. This highlighted area contains a campus with several buildings. One prominent building has the PsiQuantum logo (a Greek letter Psi) and the name 'PsiQuantum' on its facade. The rest of the city and the surrounding water are visible in a lighter blue tone.

# WHAT IS IQMP?

A **first-of-its-kind** campus built for quantum computing scale-up and related quantum and advanced microelectronics research and development

# WHERE IS IT?



Illinois Quantum & Microelectronics Park

- **128-acre site**, 1M+ sq ft along Lake Michigan
- **US Steel South Works** site
- Amidst a strong existing ecosystem to further establish Illinois as a **global hub for quantum** (universities, national labs, industry, etc.)

# IQMP Key Facts



**NO smokestacks**



**NO chemical pollutants**



**100% carbon-free power**



**No impact to Steelworkers Park, Park 566,  
Rainbow Beach Park, or Schafer Park**



# What We've Heard

- **More Information and Transparent Communication**

Including the environmental conditions of the site, quantum computing and its operational impacts, the selection process, the project timeline, impacts to local parks, among others.
- **Community-Centered Development**

This project must prioritize the interests of local residents in the development plans. Jobs must be attainable locally and youth need an educational pathway to participate. Action needs to be taken to address systemic community challenges.
- **Inclusive, Meaningful Engagement**

Frequent and accessible meetings. The ability to brainstorm and share ideas early in the decision-making process. A mechanism for longer-term engagement with the IQMP and broader development.



## **Angela Hurlock**

Chief Executive Officer, Claretian Associates



## **Rosa Ortiz**

Founder and Principal, 3e.studio



# Quality of Life Plan

United Way  
of Metro Chicago



# LSC CHICAGO



CLARETIAN ASSOCIATES  
Building Community in South Chicago

## **Josh Richman**

Senior Vice President of Corporate Development, PsiQuantum



## **Mo Green**

Head of Market Development and Community and Government Affairs, PsiQuantum



About:  PsiQuantum

2015

FOUNDED

320

EMPLOYEES

Teams in California, Illinois, New York and Washington DC



# How Quantum Computing Will Impact Illinois

BETTER, CHEAPER MEDICINES



SECURE DATA



CHEAPER, CLEANER FOOD



CLEAN TRANSPORTATION



AFFORDABLE, EFFICIENT SOLAR PANELS



NEW GREEN ENERGY JOBS



*Economic impact of quantum computing on Chicagoland region through 2035: 175,000 jobs and \$50-65 billion<sup>1</sup>*

<sup>1</sup> Chicago Quantum Exchange & WBC Research Center

# What PsiQuantum was looking for:



Large community of technical professionals and quantum ecosystem



Strong colleges and universities focused on quantum computing



Must be located close to an international airport



Has a site with no environmental or developmental challenges



Access to large scale, cost effective, carbon-free, reliable high-voltage power



Low noise and vibration environment for a portion of the site

# Why Chicago?

## Colleges and Universities



Northwestern  
University

**CITY COLLEGES'**  
OF CHICAGO



UNIVERSITY OF  
**ILLINOIS**  
URBANA-CHAMPAIGN



## Quantum Ecosystem

CHICAGO  
**QUANTUM  
EXCHANGE**

## National Labs



# Site Evaluation



**Chicago, IL**  
Former US Steel Site



**Lockport, IL**  
Former Texaco Refinery Site

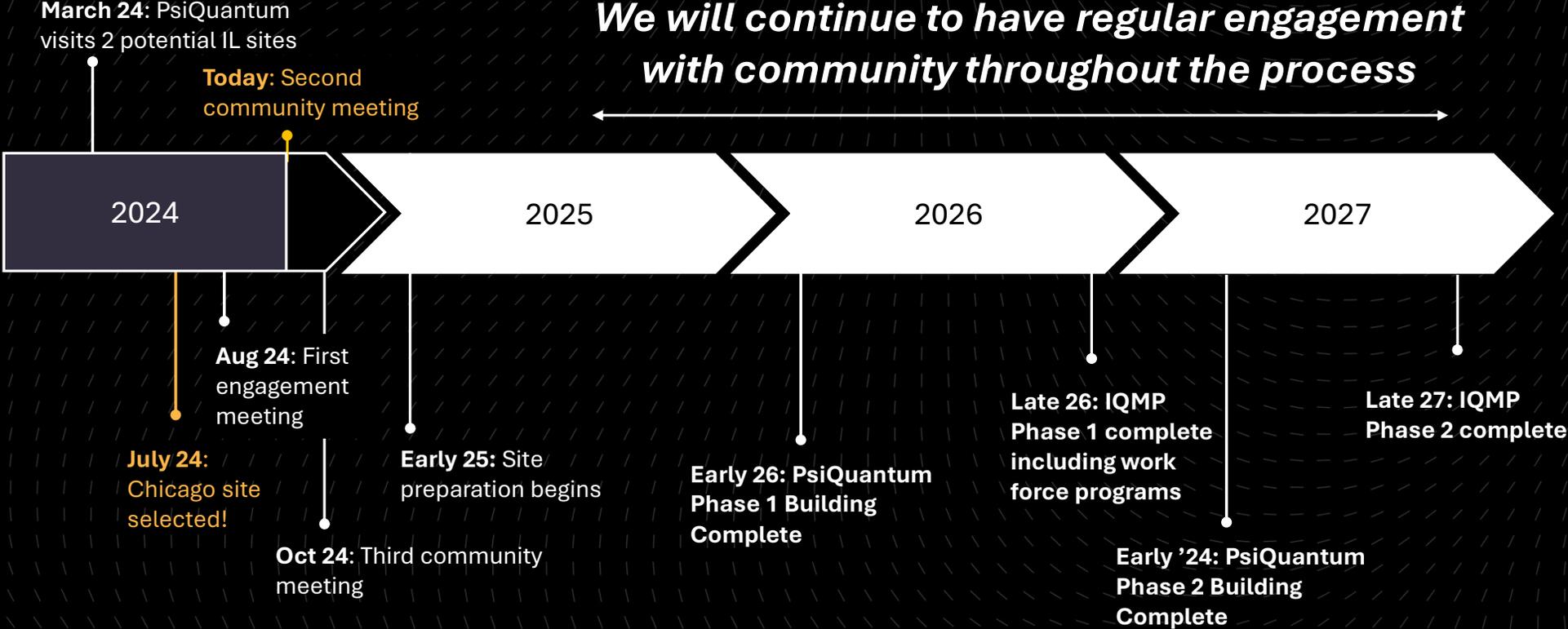
# Chicago Selected!

*Illustrative rendering*



We are engaging the community early in the process to ensure community input and minimize disruption to residents

*We will continue to have regular engagement with community throughout the process*



## **Ann Thompson**

Executive Vice President at Related  
Midwest



## **Yanet Garcia**

Vice President Construction, Related  
Midwest



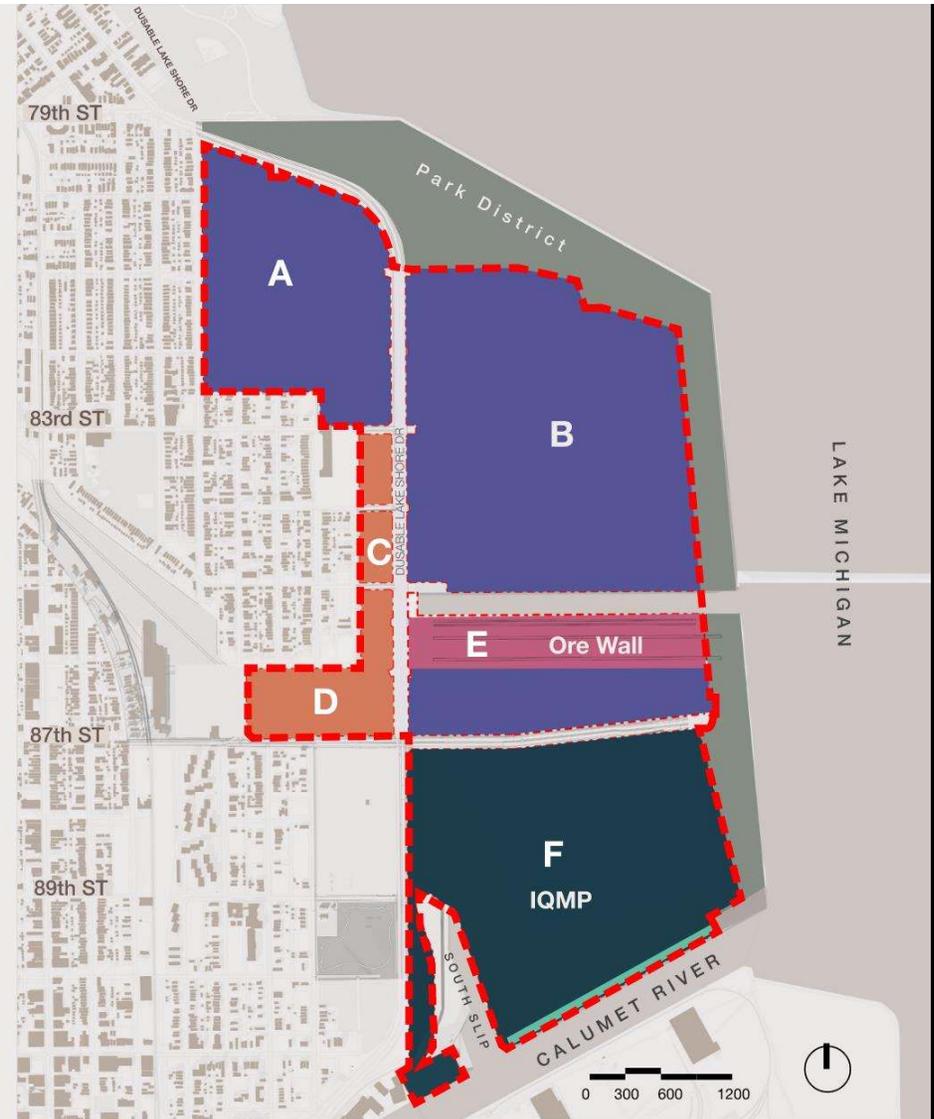
## Master Plan Overview

The 420-acre master plan will organize districts and establish relationships between the site and adjacent area that aligns market demand with programmatic uses.

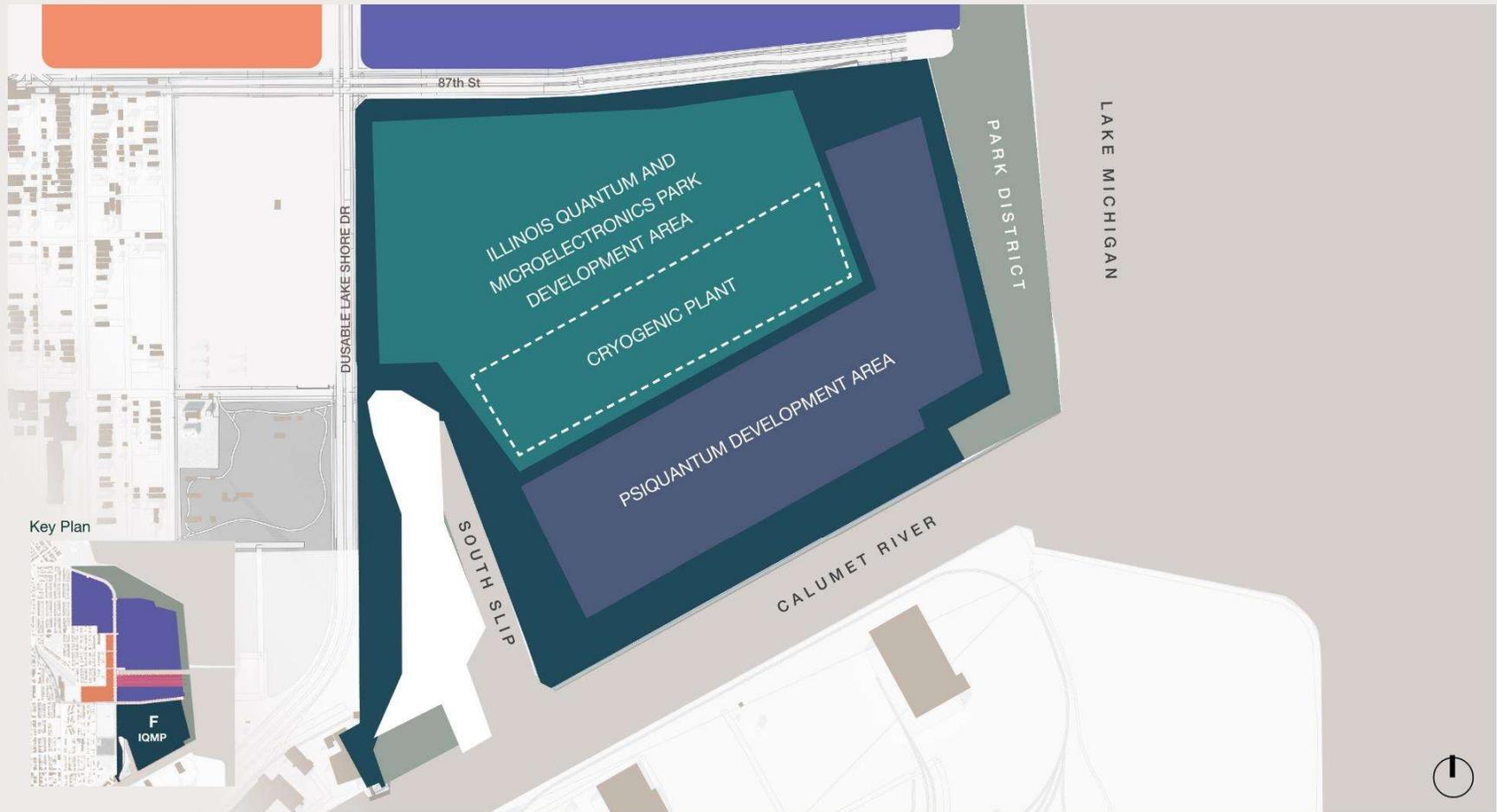
District	Acres
Sub-Area A - B	237
Sub-Area C - D	27
Sub-Area E Ore Wall	27
Sub-Area F IQMP	127
<b>Total</b>	<b>420</b>

Zoning C3 - 3

--- PD Boundary



## Sub-Area F - IQMP District



## PsiQuantum Phase 1

The Phase 1 Development Building is the initial building in the Quantum Computing campus in Chicago. The building includes offices and space for advancement of the quantum technology.

### Phase One Building is 'As-of-Right'

The development buildings is moving forward under the existing zoning designation.

### Design Timeline

Q1 2025 Construction Start



## PsiQuantum Phase 2-3

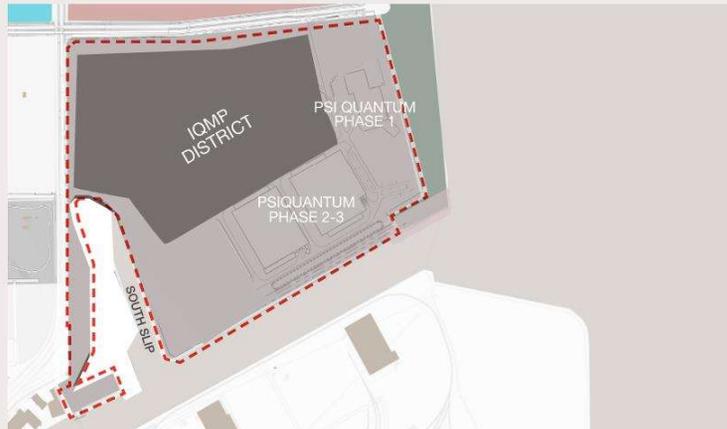
Phase 2 & 3 include Quantum Computing Operations Buildings that includes more offices and space for advancement of the quantum technology

### First Buildings in PD

The project will move forward as part of the new Planned development.

### Design Timeline

Q3 2025 Construction Start



## Cryogenic Plant & SCUF

The Cryogenic Plant facilities provide the cooling for the quantum technology. This plant facilities and equipment will serve PsiQuantum & the IQMP users and future tenants. The Shared Cryo User Facility will include offices and space for advancement of the quantum technology.

### Subsequent Buildings within the PD

Will require site plan approval

### Design Timeline

Design timeline to be confirmed



# Breakout Room Structure

- **Goal is deeper engagement**

We want to hear from you. By having more focused conversations, our hope is to better understand your perspectives. Please share your questions, concerns and ideas.

- **Timing**

We will have two 25-minute sessions with 5 minutes of transition before each session (but please feel free to move around!).

- **Remember where we're at in the process**

Chicago was selected in July, and this is the second community engagement meeting. We look forward to hearing your feedback while we continue to develop the details.



# Breakout Topics

## ● Quantum and IQMP

- Quantum computing
- Applications of quantum
- IQMP
- PsiQuantum

## ● Community Impact

- Jobs and workforce
- Education pipeline
- Affordable housing
- Infrastructure

## ● Environment

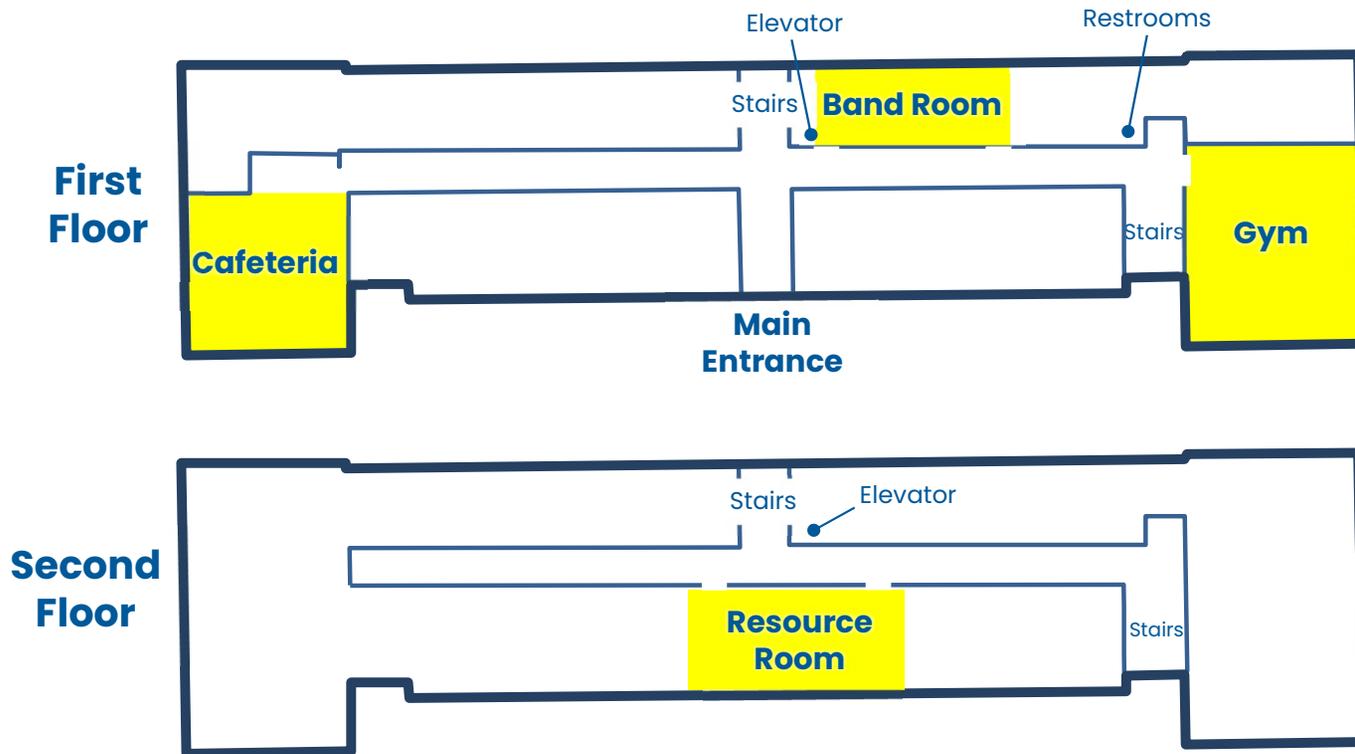
- Current environmental conditions
- Environmental remediation
- Environmental impacts of operations

## ● Development

- Overall site plan
- IQMP site plan
- Zoning
- Development timeline



# Breakout Room Locations



- **Development**  
*Gym*
- **Community Impact**  
*Cafeteria*
- **Environment**  
*Resource Room*
- **Quantum / IQMP**  
*Band Room*

# THANK YOU

To learn more, ask additional questions, share comments, and sign up to receive more information, please visit:

[www.intersectillinois.org/illinois-quantum-park/](http://www.intersectillinois.org/illinois-quantum-park/)

