

RESILIENT OAKLAND

About 100 Resilient Cities

Pioneered by the Rockefeller Foundation, 100 Resilient Cities (100RC) is dedicated to helping cities around the world become more resilient to the physical, social, and economic challenges that are a growing part of the 21st century, 100RC supports the adoption and incorporation of a view of resilience that includes not just the shocks-earthquakes, fires, floods, etc.-but also the stresses that weaken the fabric of a city on a day to day or cyclical basis. By addressing both the shocks and the stresses, a city becomes more able to respond to adverse events, and overall, is better able to deliver basic functions in both good times and bad, to all populations. Oakland was accepted into first wave of cities in the 100 Resilient Cities network, alongside Berkeley and San Francisco in the Bay Area. The three cities, led by their respective Chief Resilience Officers, have been collaborating to leverage regional efficiencies for their strategy development processes, where possible, and will continue to collaborate on implementing their resilience strategies.

PIONEERED BY THE ROCKEFELLER FOUNDATION 100 RESILIENT CITIES

The Fox Theater originally opened its doors in 1928 as an elaborate movie palace, and serves as a symbol of resilience. It shuttered in 1966 and remained closed for 40 years, surviving a fire and an earthquake, and escaping the wrecking ball before being restored to its former splendor, reopening in 2009 as part of the renewal of the Uptown theater and arts district.





This coloring book belongs to:

The Resilient Oakland Coloring Book is made possible by the City of Oakland, Vision Architecture, Inc. and, the Rockefeller Foundation.

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The Resilient Oakland playbook is a holistic set of strategies and actions to tackle systemic, interdependent challenges. This includes equitable access to quality education and jobs, housing security, community safety and vibrant infrastructure, which will better prepare us for shocks like earthquakes and climate change impacts.

We begin with a timeline highlighting a century of resilience in Oakland followed by a history of resilient actions the City has taken over the last 20 years to further social, economic and physical development. We then outline 15 major resilience challenges facing our town, which are then addressed by three key themes and 10 main goals. These 10 goals summarize nearly 40 actions that address Oakland's most pressing resilience needs.

The three key themes for advancing resilience in Oakland are: (1) build a more trustworthy and responsive government, (2) stay rooted and thrive in our town, and (3) building a more vibrant and connected Oakland. Some of the actions outlined under these three key themes were already underway (such the Mayor's Community Safety Plan) and are included here due to their clear resilience value, some have been adapted with a resilience lens in mind, some have been fast tracked due to the resources available through the 100 Resilient Cities programs (such as digital improvements to the Rent Adjustment Program, the City's green infrastructure plan or sea level rise roadmap), and others have come about as a result of stakeholder engagement through Resilient Oakland's two-year process.

Under the leadership of our Chief Resilience Officer, Kiran Jain, the Resilient Oakland playbook is designed to set forth strategies that will deliver more effective governance and ways to solve complex challenges with many stakeholders. Resilient Oakland recognizes government simply cannot spend its way out of challenges, such as housing displacement or climate adaptation. We need to approach our work differently and rethink how we maximize resources to benefit our residents and businesses. By taking a continuous build, measure, learn approach to resiliency from 'little bets' to 'moonshots', we honor the work that has been done and how we build on it today while setting forth bold actions that accelerate our ability to meet these challenges.

The Resilient Oakland playbook celebrates a City government opening itself up to the idea that change is inevitable—we must now harness it for the benefit of our growing town.

THEME 1: BUILD A MORE TRUSTWORTHY AND RESPONSIVE GOVERNMENT

GOALS:









Design equitable and measurable community engagement Create more opportunities for collaborative government Apply datadriven principles to inform decision-making

Engage youth in shaping the future of Oakland

THEME 2: STAY ROOTED AND THRIVE





Increase economic security Promote safe and healthy neighborhoods



THEME 3: BUILD A MORE VIBRANT AND CONNECTED OAKLAND

greening for

neighborhoods

most in need

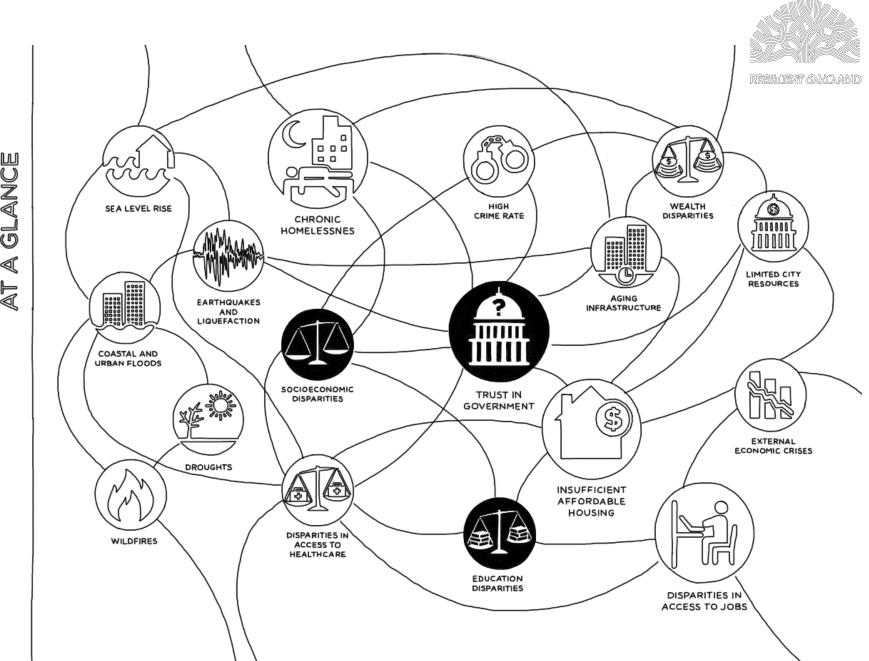
GOALS:

and future climate

and seismic risks



Maximize value of collective infrastructure investments



RESILIENCE CHALLENGES AT A GLANCE

EDUCATE OAKLAND YOUTH ABOUT RESILIENCE ISSUES AND THE FUTURE OF OAKLAND THROUGH ARTS AND STORYTELLING

Description

Combining science technology, engineering, arts and math with creative storytelling, we will launch the Resilient Oakland coloring book and future city design challenges to empower Oakland youth to learn about community and physical resiliency. The purpose is for youth to discover what they can do to become the architects of their own futures. The Resilient Oakland coloring book aims to grow connections and resiliency planning between and among residents of all ages, languages, cultures, and perspectives. Each chapter is comprised of snapshots in time from Oakland's past, present, and future so people can connect on local history, envision present projects, and understand that what we imagine can become a vibrant, sustainable reality when we work together to create connected communities,

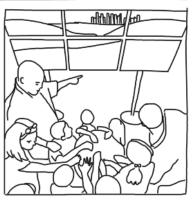
Benefits to Oakland Residents:

Empowers Oakland youth to imagine, describe, and illustrate what they want and need to do to recover quickly from adversity and have an impact in creating safer neighborhoods and prosperous communities.

Lead: Vision Architecture, Inc.

- Partners: Chief Resilience Officer
- Timeframe: Fall 2016

Funding: Pro bono support by Vision Architecture, Inc.: ongoing funding needed



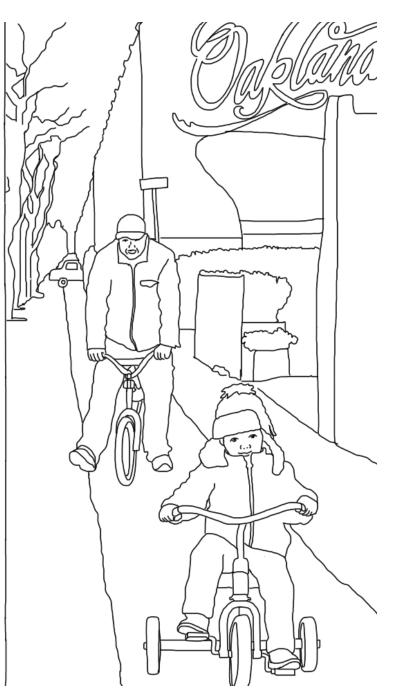
Resilience value:

- Promotes cohesive and engaged communities
- Empowers a broad range of stakeholders
- Promotes leadership

Related goals: Design equitable and measurable community engagement; Create more opportunities for collaborative government; Promote safe and healthy neighborhoods

Challenges Addressed:









Past: 1940s-2008

Present: 2009 - 2016

Future: 2017 +

Following the 1906 San Francisco earthquake, many San Franciscans relocated to Oakland, growing the city's population, increasing its housing stock, and improving its infrastructure.

Oakland continued to grow in the 20th century with its busy port, shipyards, and a thriving automobile manufacturing industry.

Due to a steady influx of immigrants during the 20th century, along with thousands of African-American war-industry workers who relocated from the Deep South during the 1940s, Oakland has become one of the most ethnically diverse major cities in the country.

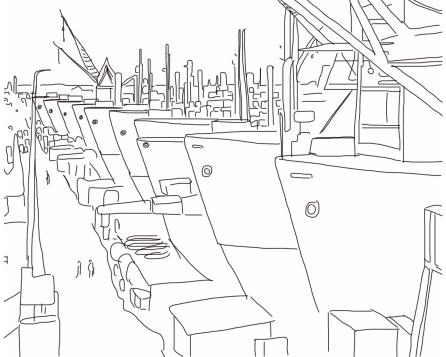
This is our story of resilience: past, present and future.





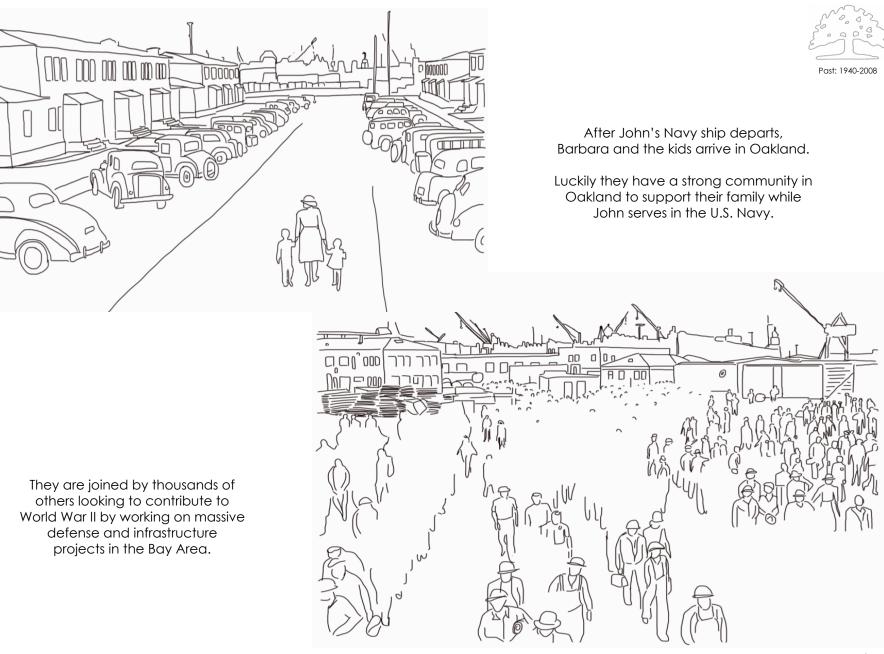
During World War II, Barbara and John move from the port city of New Orleans, Louisiana with their young children to another port city: Oakland, California.

They want to be close to family and friends as John is called up to join the U.S. Navy as a civil engineer.



They hear about new jobs in the East Bay, including projects like Henry J. Kaiser's Liberty Ships and other large infrastructure projects.

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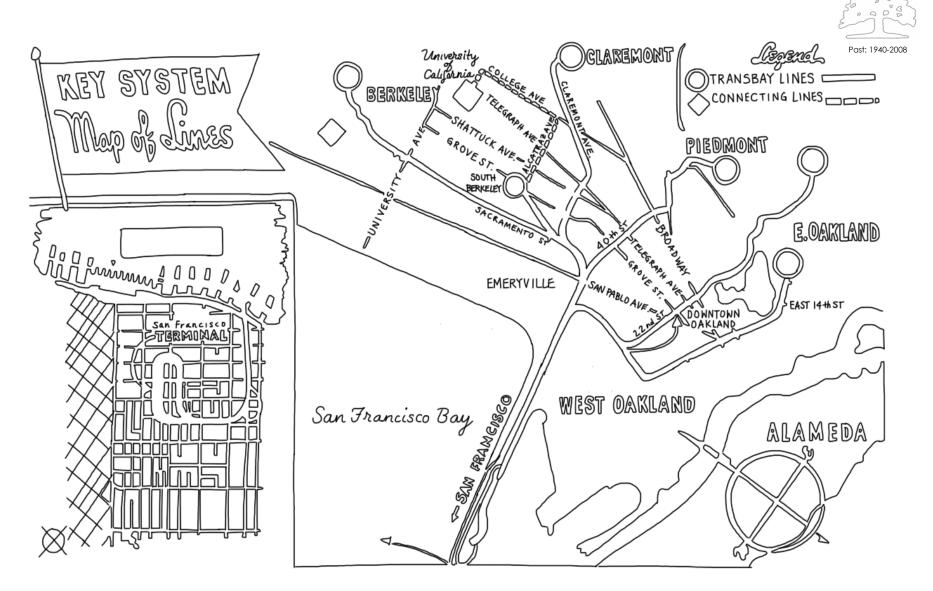
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who join the war effort, Barbara begins working at the Moore Shipbuilding Company in Oakland's Inner Harbor.

She works as a welder, helping build ships for the U.S. Navy.

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Barbara works and travels across town using the Key System, which has local streetcar and bus lines in the East Bay. The Key System also has commuter rail and bus lines connecting the East Bay to San Francisco by a ferry pier on San Francisco Bay.

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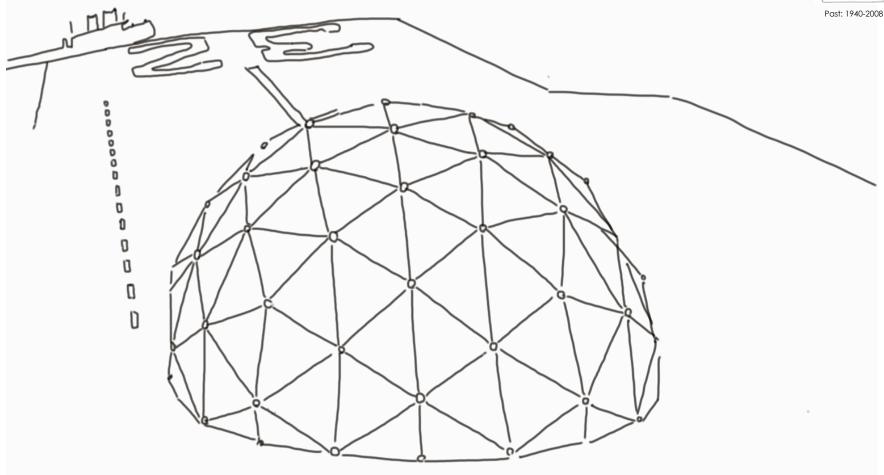


Barbara continues to work at the Moore Shipbuilding Company after the war. On occasion, her children pick her up from work with their dad, John, who has returned from serving in the U.S. Navy.

> The children visit the ships and hear stories from around the world. They learn about people and places that are different from their world in Oakland.

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One of their favorite stories is about the U.S. Marines building a futuristic geodesic dome—a sphere made up of triangles forming a network of circles—on the deck of a battleship.

The Marines constructed the dome, after seeing Buckminster Fuller working on models throughout the country, to test out new kinds of mobile, strong, lightweight homes people could live in quickly and safely.

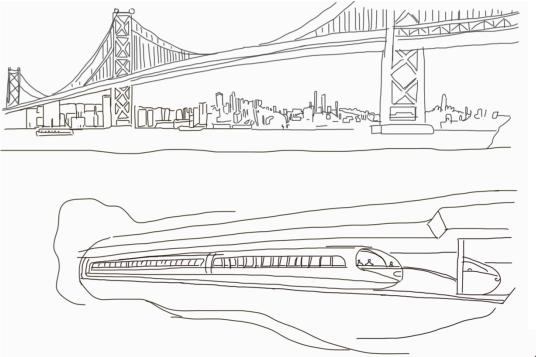
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Soon after the war, Oakland's shipbuilding industry declines and the automobile industry goes through restructuring. Many jobs are lost.

Economic competition increases racial tension. Labor unrest increases as workers struggle to protect their livelihoods. Oakland is the center of a *General Strike in December 1946, one of six cities across the country that had such a strike after World War II.

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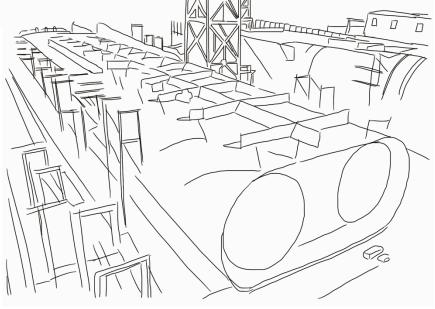


During the 1960s, the region begins focusing on building a modern rapid transit system that will transport its growing population around the Bay Area.

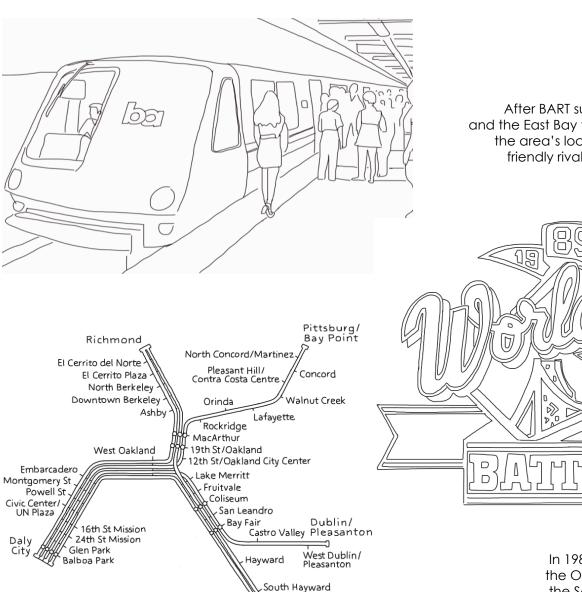
As Oakland's shipbuilding industry declines, Barbara decides it's time for a job change: from building ships to trains.

She begins work at the newly created Bay Area Rapid Transit system (BART).

In 1964, BART construction officially begins with with President Lyndon B. Johnson presiding over the ground-breaking ceremony.









After BART successfully connects Oakland and the East Bay to San Francisco by the Bay Bridge, the area's local baseball teams engage in a friendly rivalry called, "Battle of the Bay."

In 1989, these two teams, the Oakland Athletics and the San Francisco Giants, meet for the first time in the World Series.

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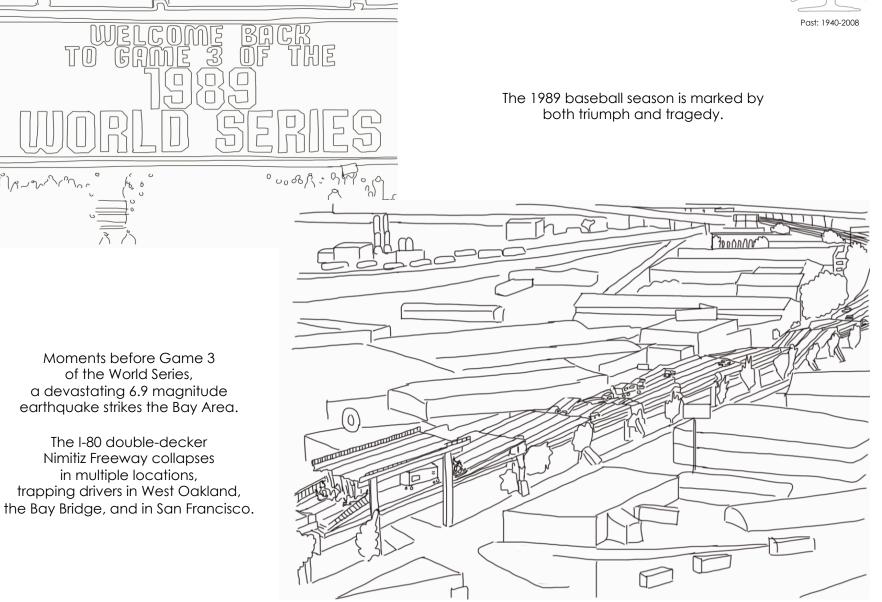
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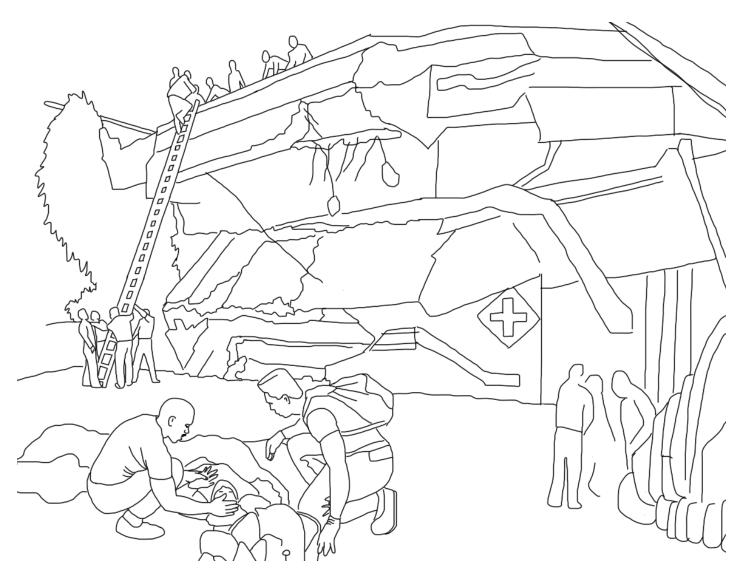
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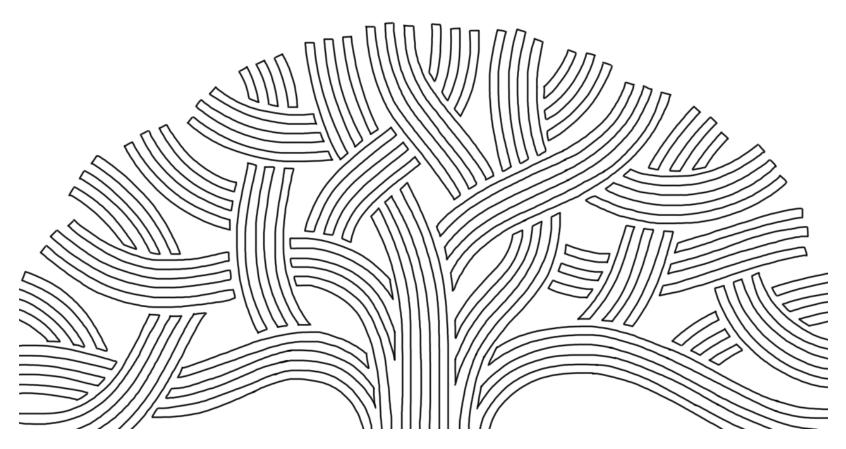
The Loma Prieta earthquake causes the collapse of the Cypress Street Viaduct passing through West Oakland.

Local residents are the first people to reach trapped drivers. Many use ladders from their own homes to begin rescuing people trapped in the freeway until First Responders arrive on scene.

BART was up and running to get people home five hours after the earthquake d estroyed transportation above ground.

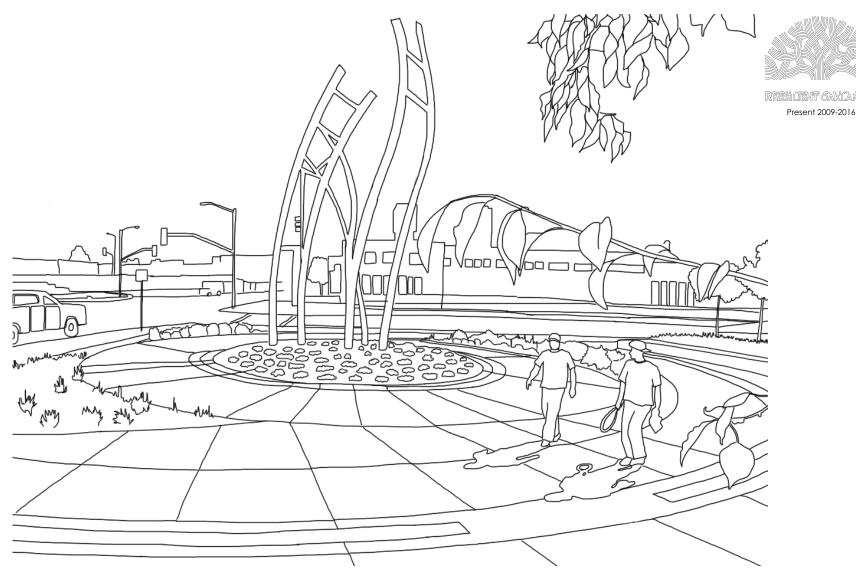
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In 2015, Oakland is selected as one of 100 cities around the world to promote resilience in its community.

Resilient Oakland is born.



Following the Loma Prieta earthquake, the residents of West Oakland came together to reclaim the area where the Cypress Viaduct had collapsed. They build a wandering, green, memorial garden for the neighborhood to reconnect and come together as a community to rebuild West Oakland.

Local artists create and install art sculptures, known as, "The Ladders," to remember the residents who came together to rescue people after the earthquake.

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Resilient Oakland invites youth to share their creative ideas about their neighborhood which sparks a youth design workshop called Our Future City.

Camila and Dayana, 3rd graders from the Fruitvale neighborhood, join this workshop to image how they would transform a park by their homes into the best one imaginable for their community.

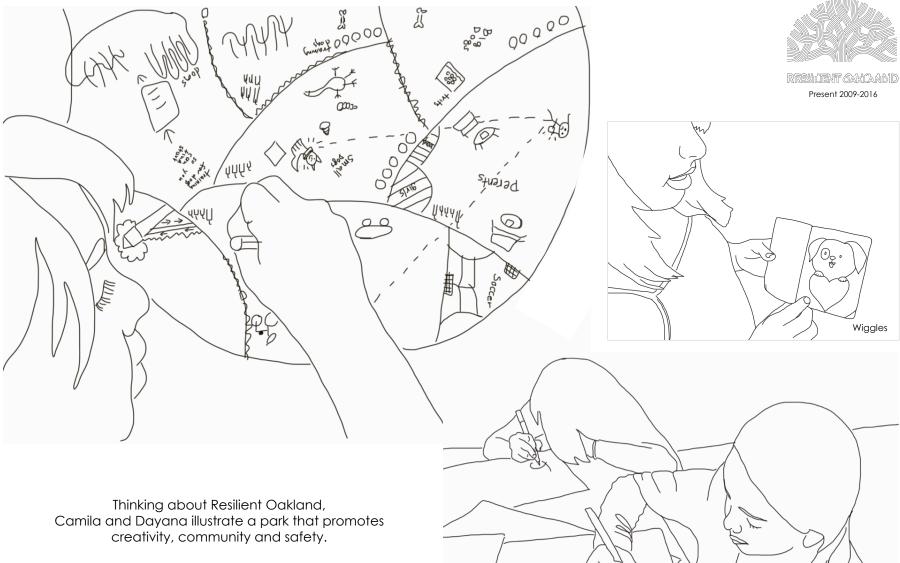
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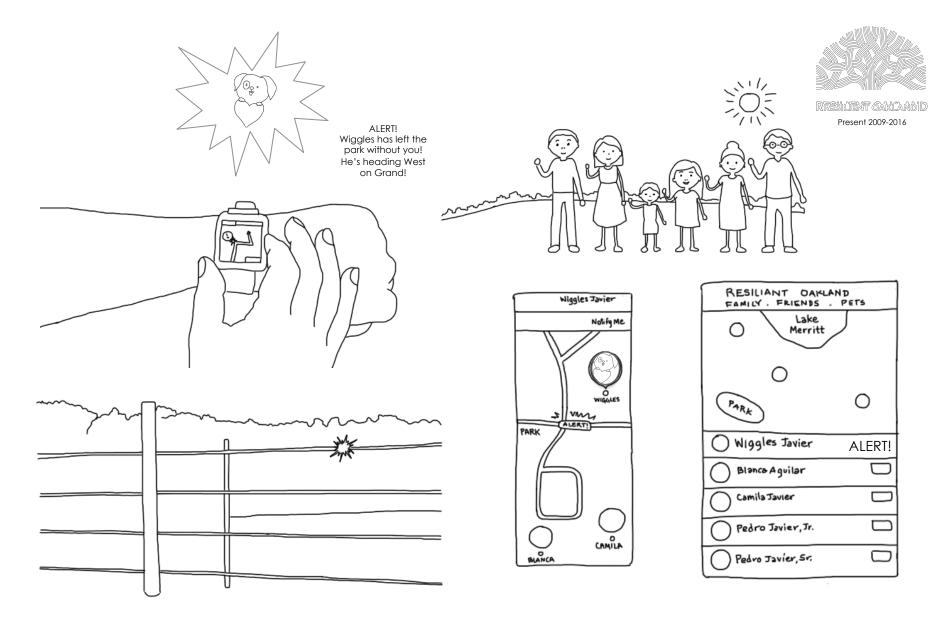
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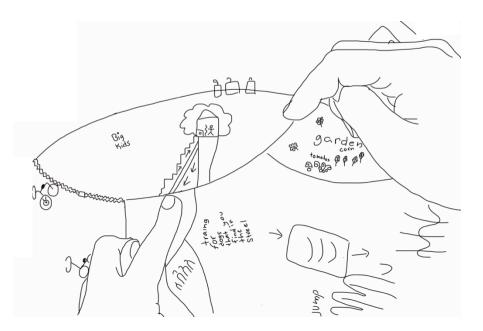


A park where kids and parents of all ages play, learn, make art, train rescue dogs, and families work on park projects together the keep growing activities and reasons for people to get together in their neighborhood.



The girls describe the park's mobile application that includes family, friends, and pet finder tools with maps to locate each other in an emergency, notifications of your pets or family leaving the park perimeter, assistance if you need help getting around, and notifications sent to security if people are breaking the rules and police, if necessary.

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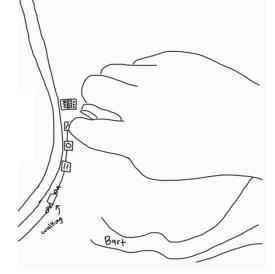


Camila explains each area has its own tree house with art classes and a wheelchair escalator, so all kids can be included.





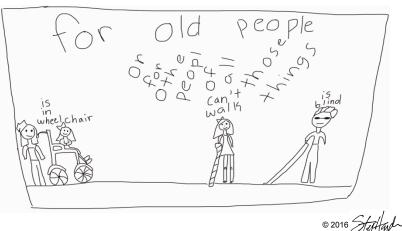
Camila and her mom, Blanca, design the park to accommodate everyone who wants to follow the rules while having fun!



The park is one minute from BART.

Its entry has maps and rules so everyone knows about activities going on all day and a mobile app if you want to be able to locate your friends, families, and pets while you're in the park.

Bullying is not allowed.





During Resilient Oakland's Our Future City workshop, the girls think of other park features, including growing fruit and vegetables in the garden, so that food can be served in a little restaurant.

They decide it's important for park goers to have food and drinks at tables with umbrellas so people do not get too hungry and have to go home while they're having so much fun at the park.

Blanca, Camila's mom, says they'll need solar panels to generate enough electricity to run the park, a way to recycle water to use for the restaurant and gardens, so the community can maintain all these ideas.





Dayana had seen pictures of Rosie the Riveter but didn't know her story until now.

After joining Resilient Oakland Our Future City workshops, the girls feel empowered, just like Rosie.

They feel like they can do and imagine anything they want to see in this world and make it happen.







They ask if they can do Our Future City workshops at school because it's so easy to learn how cities work, how to describe what they're thinking to other people, and to draw what they imagine with the freedom to express their vision for the future of Oakland.

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Resilient Oakland's Our Future City workshop allows the girls to learn about city planning and what they will need to do and learn to make their ideas a reality.

They look forward to sharing their imaginative ideas and working with the city and their families to start designing Our Future City workshops in Oakland public schools.

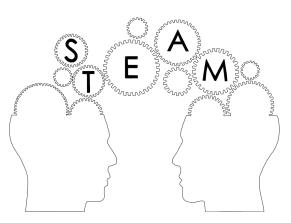
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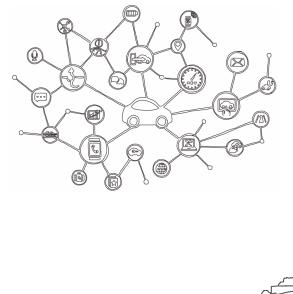


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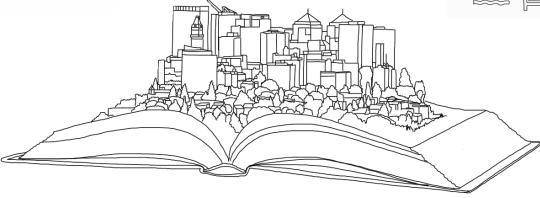




Science, Technology, Engineering, Art, Mathematics

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Once the City and community got together to think about what they could be teaching kids in public schools—and even adults returning to work—the curriculum evolves to include thinking about connected cities around the world and how we might learn from each other and grow to become more inclusive and resilient.

Resilient Oakland brings together a STEAM curriculum and a Makers mindset to City planning.

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Oakland youth study gardening, permaculture, and ecoblocks to learn how to sustain the food needs of their neighborhoods and mitigates risks of rising sea levels in their communities.





They study smart and connected cities like Paris and Tokyo to get ideas for what's possible.

They see how other communities have grown to become more inclusive and representative of all the people who live there.

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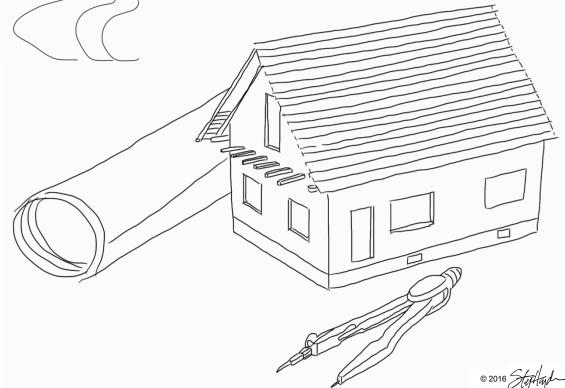
Future: 2017 +

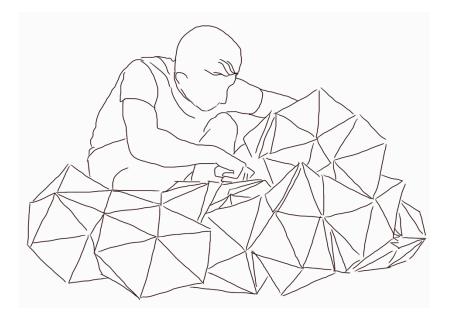
Based on the principles of inclusiveness and resilience, Our Future City workshops teach kids how to design and build cities, including tiny houses that have a smaller carbon footprint.

They learn that homes can be built with many different materials.

They discover that systems can be built to make it less expensive to stay local in Oakland.

It just takes a little research, planning, and willingness to put in work for your own home.





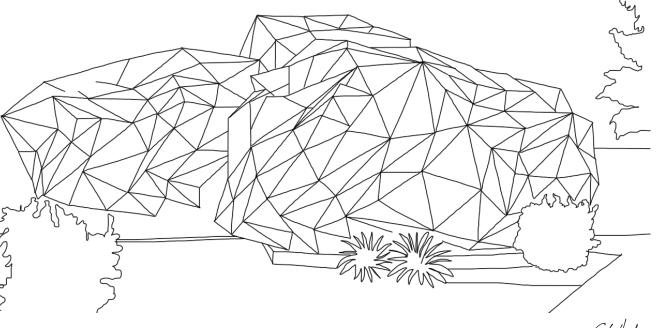


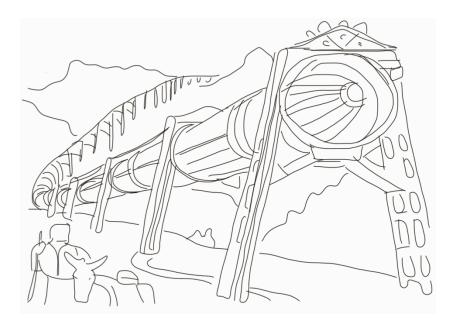
Future: 2017 +

Through Resilient Oakland workshops, the kids think of and learn how to build with new tools like 3D printing.

Some start building models they use to print and build real homes before they are out of high school.

Communities begin to reflect the people and culture of the residents who live there.





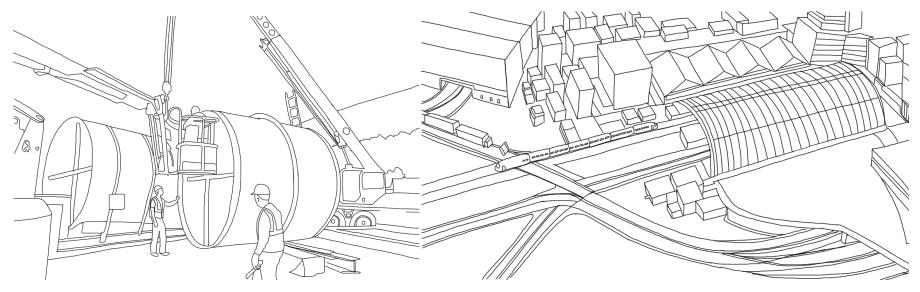


Future: 2017 +

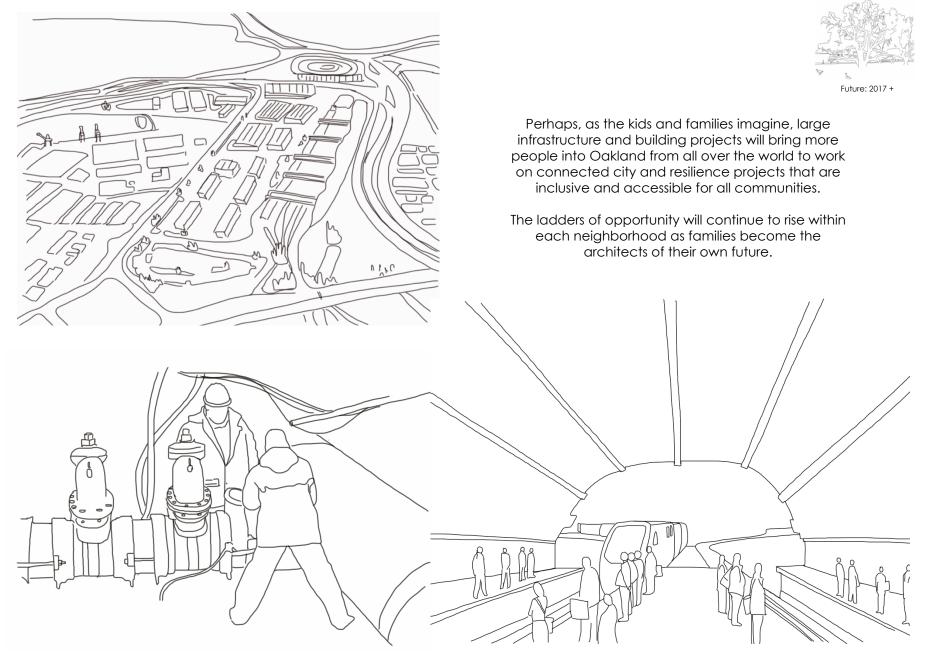
Much like Barbara in the shipyards, or as BART workers, kids learn about the possibilities of future transportation and the opportunity that comes from new forms of connection and travel for our communities.

They learn how designing transportation systems to integrate with the community directly influences and provides access to jobs for their families and neighbors.

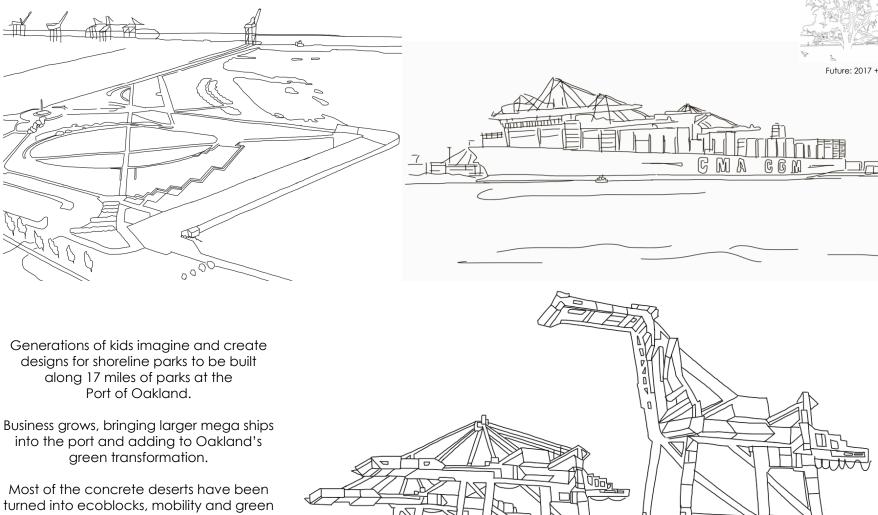
While they are empowered by ladders of opportunity and resources today they contribute to local job growth and future generations of prosperity much like the World War II job growth in the Bay Area in the 1940s.



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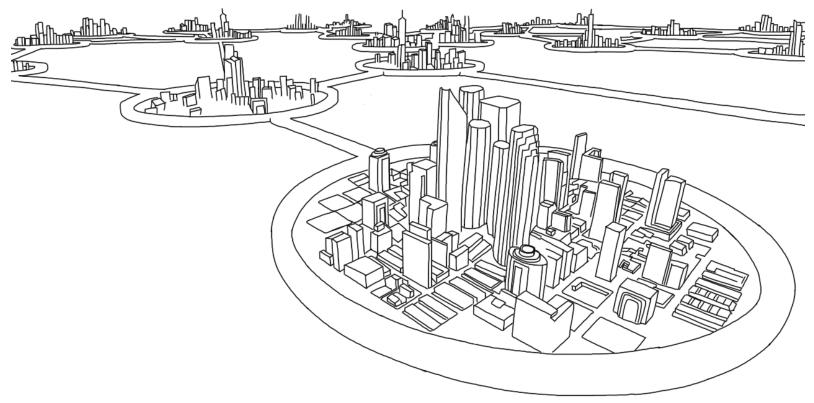


turned into ecoblocks, mobility and greer infrastructure initiatives have taken root, and residents have switched to using public services and alternate forms of transportation.

This helps air quality and improving the overall health of Oaklanders.



Future: 2017 +



Oakland has always been a place of resilience. No matter what challenges it's faced whether political, economic, or environmental—the city has always found new ways of adapting and thriving.

Those challenges will continue, taking new forms as the years go by. But by working now to envision what's ahead, we can turn future challenges into opportunities.

The issues of this community may evolve over time, but our goal will remain consistent: becoming the model of a vibrant, diverse, and connected city.

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Introductions

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Credits

Storyline written by Stephanie Hayden, Kiran Jain, Michael Ford, Max Young, with collaboration and editing by Matt Herlihy.

Contributions were also made by Brian Farley, Keith Ward, Gopi Mattel, Robin Tischer-Smith, Rick Smith, Ayelet Baron, Sean Abercrombie, Oliver Wesson III, and Nile Mittow.

These stories are for and about real Oaklanders including the young girls and their families featured in our Present Oakland Chapter including Camila Javier, Blanca Aguilar, Pedro Javier Senior, Pedro Javier Junior, and Dayana Viguerias.

All illustrations by Stephanie Hayden, CEO, Vision Architecture, Inc. Alumna The School of the Art Institute of Chicago

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100 Resilient Cities Initiative

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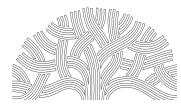
What's Your Story?

If you'd like to learn more about Our Future City Design workshops & STEAM Maker Labs, or you'd like to imagine and create stories that illustrate your past, present, and future contact:

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RESILIENT OAKLAND

Recognizing Oakland's rich tradition of social innovation and strong legacy of resilience, and how both will shape this diverse city's future, the Rockefeller Foundation selected Oakland as one of the first 32 inaugural cities for the global 100 Resilient Cities Initiative.

Resilience in Oakland means tackling systemic, interdependent challenges, such as equitable access to quality education and jobs, housing security, community safety and vibrant infrastructure to better prepare us for shocks like earthquakes and climate change impacts. To achieve this, we need to leverage our collective resources by fostering a culture of responsive and trustworthy government, datadriven decision making centered around residents needs and robust infrastructure development.

Oakland has the physical and human resources to be a thriving and connected 21st century global city. As the birthplace of the women's suffrage movement and the Black Panther Party, Oakland has long been an innovative mission-driven city committed to economic and social justice and equitable growth. Our town attracts renowned activists, artists, makers, and other risk-takers within its 78 square miles tackling the serious issues of our day. Oakland's current resilience challenges are an opportunity to do what Oakland has always done: rethink old paradigms and balance the equation of access to opportunity while building more creative and vibrant infrastructure to support our promising future.

We know today's greatest challenges, such as rising income inequality, which impacts our most vulnerable communities, cannot

be solved by one of our agencies, organizations or communities alone. This resilience playbook aims at increasing collaboration inside our City government through the physical launch of Civic Design Lab, among regional governments with innovative partnerships, like the Bay Area Resilience by Design challenge, and with all those who live and work in Oakland through co-designing community engagement processes for resilient action. This playbook centers on how we can improve our own governance structures to meet these complex, interdependent challenges. Most importantly, resilience is about putting our people first.

As a city known for its social activist history and a do-it-yourself maker culture, a resilient Oakland manifests through robust community-based organizations, engaged residents and a City government opening itself up to the idea that change is inevitable-we must now harness it for the benefit of our growing town.

Sincerely,

Libby Schaaf, Mayor of Oakland

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On behalf of the entire 100 Resilient Cities team, I want to congratulate the city of Oakland on the release of Resilient Oakland, This bold strategy will drive innovation in city government, promote economic security for residents, and strengthen Oakland's neighborhoods and physical infrastructure.

Recognizing that Oakland is best positioned to thrive when residents, community organizations, local businesses, and government come together, this strategy represents a call to action for all Oaklanders. Resilient Oakland outlines concrete actions that will address current and future shocks and stresses, ranging from economic inequality to insufficient affordable housing to sea level rise to earthquakes—reflecting the holistic urban resilience approach that 100RC seeks to spread throughout our network Oakland, and look forward to our of 100 member cities and beyond.

Mayor Libby Schaaf's leadership and support were critical in the development of this strategy, and I want to thank her for her partnership and commitment. I also want to thank Oakland's Chief Resilience Officer. Kiran Jain, for her tireless dedication and for the innovative vision that has shaped Resilient Oakland.

While the release of this document marks an important milestone, our work is far from over. It will take continued commitment and action to ensure that this strategy has an impact. This is why we are excited to continue our partnership as Oakland embarks upon implementation-the

work of making the actions described in this strategy a reality. Actions such as improving affordable housing access by redesigning the City's Rent Adjustment Program website: retrofitting homes so they produce their own energy and conserve water through the EcoBlock pilot; and preparing vulnerable communities more effectively for disasters through "Neighbors Helping Neighbors" are just some of the initiatives that will lead to a more secure and vibrant future for Oakland residents.

These and other initiatives are making Oakland a leader in the urban resilience movement-and we anticipate that many will become best practices that other cities within the 100RC Network will emulate. We are thrilled to recognize and celebrate Oakland's achievement in releasing Resilient continued partnership as Oakland helps to spread urban resilience to cities across the United States and the world.

Sincereley,

MIchael Berkowitz President, 100 Resilient Cities