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Section I: Program Overview

A. Vision Statement

Miraloma Park will be an energetic and engaged community where everyone has the same opportunity to live healthy safe lives and be surrounded by networks rich in trust and reciprocity. During times of stress, our community will come together to support each other, as would members of a family, with a core focus on addressing the needs of the vulnerable populations, visitors and residents of Miraloma Park. As a result of the work we put into restoring our community, Miraloma Park will be a closer, and more connected neighborhood.

B. Program Background

Resilient Miraloma Park (RMP) is a community based planning project that leverages the framework of the Neighborhood Empowerment Network’s (NEN) Empowered Communities Program (ECP). The goal of the ECP and RMP is to create a space where neighborhood leaders can meet with City agencies to better coordinate the resources and expertise of its participating stakeholders.

Resilient Miraloma Park is configured to address disaster resilience with a focus on supporting members of the population who may be in a more vulnerable state to respond to a time of stress or recover quickly after a disaster.

In early 2014, the Miraloma Park Improvement Club (MPIC) voted to advance a planning process to increase the capacity of the neighborhood at the individual, organizational and community levels to successfully negotiate times of stress, no matter how severe. In the ensuing months, a Resilience Steering Committee was created comprising of MPIC President Robert Gee and Board Members Karen Wood and Daniel Homsey.

The Committee established the name of Resilient Miraloma Park and initiated a program plan design process. Resilient Miraloma Park chose to focus initially on strengthening the neighborhood for a large-scale disaster. In May, the Committee engaged The MIT Urban Risk Lab and San Francisco State University to be its partners in designing and implementing a community engagement process that would generate the content for a Resilience Action Plan.

The program launched on June 25th at the Cornerstone Trinity Baptist Church with a meeting that offered residents the opportunity to discuss what they love about the neighborhood. In July Resilient Miraloma Park assembled to learn from the Department of Public Health about the effect of heatwaves in Miraloma Park, and discussed how they could be impacted. Following in August, participants attended a NERT presentation by the San Francisco Fire Department, and joined in an earthquake impact exercise. After taking a break in September, at the October meeting, RMP participants took part in the Build Your Resilientville activity that gave them a
C. Overview of the Risk Hazard and Vulnerability Assessment

Hazards Assessment of the Miraloma Park Community

Miraloma Park, like all communities faces a number of potential natural and human-generated or technological hazards. A preliminary review of previous disasters in Miraloma Park, coupled with previous technical expertise from SF CARD, led to the list of the hazards analyzed in this document.

Vulnerability Assessment of the Miraloma Park Community

Miraloma Park is a diverse community. This diversity is a powerful strength and offers many opportunities. Within the wide range of demographics, however, there are a number of populations and variables historically shown to be at increased risk following a disaster. These variables include: age, gender, level of access and functional needs, socioeconomic status, fluency in the country’s primary language, level of isolation either socially or physically, chronic illness, and/or chemical dependency.

For a detailed analysis of the Risk Hazard and Vulnerability Assessment, see: Section III: Supporting Documents: Subsection E: Risk Hazard and Vulnerability Assessment

D. Goals and Objectives by Stakeholder Level

Community

Goal: The Miraloma Park Community will function as a single entity that has the capacity to respond to challenges and opportunities in a manner that reflects the goals and priorities of the individuals and organizations that it comprised of.

Private, Nonprofit, Faith-based, and Public Sector

Goal: The businesses, non-profits and community organizations of Miraloma Park will have the capacity to meet the needs of their existing audience, as well as the capacity to increase their ability to support emerging audiences.

Individual

Goal: Every resident will have the capacity to care of themselves on a daily basis, either on their own or with the support of others, as well contribute to the success of those around them.
E. Program Organization

1. Organization Chart

2. Implementation Workgroup
   a. Members
      - Helen Archer-Duste
      - Delia Athey
      - Bill Black
      - Luise Custer
      - George Dedes
      - Ginny Fong
      - Robert Gee
      - Daniel Homsey
      - Bill Kan
      - Chris Knight
      - Jean Perata
      - Elena Perez
      - Darlene Ramlose
      - Joanie Van Rijn
      - Joanne Whitney
      - Karen Wood
b. Mission
The Miraloma Park Improvement Club will be responsible for achieving the vision of the Resilient Action Plan by crafting an annual program management plan in a transparent and inclusive manner.

F. Benchmarks/Milestones

- June RMP Launch Event
- July RMP Resilience Workshop - Heatwaves
- August RMP Resilience Workshop - Earthquakes
- October RMP Neighborhood Strengthening Exercise
- November RMP Review of Initial Goals and Objectives

Section II: Supporting Documents

A. Strengths and Opportunities

1. Strengths

- 3 yahoo groups: MP parent, MPIC, MP school
- A lot of people with basements
- Accessibility to the freeway
- Always breeze from the ocean
- Available cars
- Businesses have air conditioning
- Cornerstone church (with basement)
- Close connection to neighbors
- Close proximity to "cooling center"
- Close to BART
- Close to highways
- Community (garden at vena street)
- Concerned population
- Daniel lives here
- Diverse population
- Diverse skills - constructions, it, etc.
- Educated neighbors
- Existing NERT team/neighborhood safety groups
- Fire station
- Fireboxes
- Generally breezy
- Grocery
- Her church
- High elevation
- Less dense than the rest of the city
- Less than 50% of neighborhood in "banana belt"
- Line of sight between houses
- Located on bedrock
- Locations for helicopter landings
- Los Palmos community garden brings community awareness
- Lot of people walk the neighborhood
- Low crime rate
- Lower floor rooms are cooler
- Many long term residents may know other
- Long term residents
- Mass casualty unit at fire station
- Miraloma elementary school
- Miraloma school
- Most homes are owner occupied
- Mount Davidson
- MPIC
- MPIC club house
- Multiple access points
- Nearby gas station
- Neighborhood watch
- NERT
- NERT potential
Nextdoor
Not a lot of soft story buildings
Not as much cement
Open space
People share
Person to person relationships
Pet owners who walk dogs
Residents who lived through the '89 earthquake
Residents who work for the city
Resilient Miraloma park meetings
Sense of community
Shopping center in close proximity
Sidewalks ADA compliant
Socio-economically stable
St. Brenden’s
St. Finn Barrs
Sunnyside park
Telephone & electric poles not on streets
Teresita traffic calming
Vegetation
Walking distance to tower market & west portal
Water tanks tank
Well-built homes
Working from home

2. Opportunities

Access to tools
Critical mass gives buying power/leverage
As part of remodeling, air conditioning can be installed
Bringing back disaster registry
Bringing more people to meetings to raise awareness
Buddy System/phone tree
Build relationship with Laguna Honda
Central medical support
City College nursing program near by
DPH heat prevention tips from DPH
Community gardens
Community greenhouse
Community resource fair
Community Store (Fans, cooling tech)
Connect with youth groups

Cooling centers - school, church, MPIC, home Basement
Coordinate with school and church for water misters
Create a cooling center where people can go to
Create inter-neighborhood relationships
De-paving
Email, phone or notification "trees" to cover each block
Encourage more people to ride bicycles
Engage local business community
Establish a bartering system with stores
Every home to have earthquake kits and shared generators
Friends of the Urban Forest plantings
Get a Red Cross shelter in Miraloma Park
- Health organization for first aid & CPR training
- Identify central community shelters or can be created
- Increase Bike sharing
- Increase NERT
- increased renewables (energy solar, wind)
- Insurance (California Earthquake Authority)
- Inventory of neighbors by house (we need age, etc.)
- Invite Norman Yee to Resilience Meeting (District 7 Supervisor)
- Knowing who & where health care pros are
- Laguna Honda Hospital
- Merchants to deliver
- More people on Nextdoor
- MPIC - Block Captains
- MPIC Clubhouse as Center - gathering place
- Neighbor associations/ garden club/ network
- Neighbors exchange keys & know who needs to be checked on
- NERT - expand
- NERT Financial assistance for retrofitting one’s home
- NERT training in Miraloma Park
- New pipes are coming in
- NextDoor/Alert system
- Online information = sfgate.com
- Organizations that help fix retrofit homes
- Plant more trees
- Private or community gardens (We need our own food supply)
- Public Agencies help individuals/families prepare disaster plans
- PUC and others to provide more education to people to cool off
- Red Cross training
- Ride share
- Share temperature thresholds on NextDoor
- Solar powered generations, community store
- Spray bottle misters
- Throw Block parties/events
- Tower Market - cooling center
- Transportation & other services to older adults (get SF Village in Miraloma Park)
- Understand plans of churches and hospitals
- Ways to mitigate: AC, AV films on windows, water play - slip - n - slides
- Work with stores – e.g. Sell fans on sale,
- evap. Colling clothes

B. Glossary of Acronyms

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DPH</td>
<td>Department of Public Health</td>
</tr>
<tr>
<td>EPC</td>
<td>Empowered Communities Program</td>
</tr>
<tr>
<td>MP</td>
<td>Miraloma Park</td>
</tr>
<tr>
<td>MPIC</td>
<td>Miraloma Park Improvement Club</td>
</tr>
<tr>
<td>NEN</td>
<td>Neighborhood Empowerment Network</td>
</tr>
<tr>
<td>NERT</td>
<td>Neighborhood Emergency Response Team</td>
</tr>
<tr>
<td>RMP</td>
<td>Resilient Miraloma Park</td>
</tr>
<tr>
<td>SF CARD</td>
<td>San Francisco Community Agencies Responding to Disasters</td>
</tr>
<tr>
<td>URL</td>
<td>Urban Risk Lab</td>
</tr>
</tbody>
</table>

C. Reports

1. Risk Hazard and Vulnerabilities Assessment

Hazard Assessment of Miraloma Park
A number of natural and human-generated or technological hazards confront Miraloma Park. TABLE 1: Miraloma Park Hazards Assessment is built upon the work from SF CARD in assessing the likelihood of certain hazards in a given community.

**Hazards Defined**
- **Earthquake:** The sudden shaking of the earth due to the shifting of subterranean rock.
- **Liquefaction:** A possible effect of an earthquake, where water-saturated earth temporarily loses strength and stiffness, which results in it behaving more like a liquid.
- **Landslide:** Masses of rock, earth, or debris move downslope often following an earthquake, heavy rainfall, fire or by human modification of the land.
- **Heat Wave:** Extreme heat over an extended length of time. A related term is “urban heat island effect”, where urban areas are impacted due to asphalt and concrete storing heat longer and continuing to release heat at night, creating higher nighttime temperatures.

### TABLE 1: Miraloma Park Hazards Assessment

<table>
<thead>
<tr>
<th>Likelihood of Occurrence</th>
<th>Availability of Warnings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Highly Likely: Near 100% probability in next year.</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Likely: 10-100% probability in next year.</td>
<td>No</td>
</tr>
<tr>
<td>Possible: 1-10% probability in next year.</td>
<td>No</td>
</tr>
</tbody>
</table>

**Natural Hazards**

- **Earthquake:** Highly Likely
- **Liquefaction:** Possible (Depends on earthquake intensity)
- **Landslide:** Likely (Depends on flood and/or earthquake intensity)
- **Heat Wave:** Highly Likely

### Potential Impacts of Hazards on the Miraloma Park Community continued

Past disasters, technical expertise from SF CARD, and the City and County of San Francisco Hazard Mitigation Plan (2014) were used to identify the potential impacts or sub-hazards. The sub-hazards include hazards that may become more likely following the primary hazard; they are not direct results or outcomes of the primary hazard itself. For example, Widespread Infrastructure and Lifeline Interruption may be a sub-hazard after an earthquake. This is more than a short-term power outage in small area, but rather, a pervasive interruption of electrical services for an entire city or county that can itself be a hazard to the community.

Expected Duration of Recovery Time and Potential Functional Areas Impacted stemmed primarily from SF CARD technical expertise and a review of experiences of other communities. These estimates are possibilities of what could be expected. Each hazard has a potential range of magnitude or intensity and the expected extent of damage and duration of recovery will vary throughout this range. The larger the magnitude or the more severe the event, the community...
should anticipate wider and more intense impacts with longer recovery periods. Table 2 Potential Impacts of Miraloma Park’s Highly Likely Hazards lists the Functional Areas of Resilience that are most likely to experience disruptions.

**TABLE 2: Potential Impacts of Miraloma Park’s Highly Likely Hazards**

<table>
<thead>
<tr>
<th>Likelihood Occurrence</th>
<th>Sub-hazard</th>
<th>Magnitude or Intensity</th>
<th>Expected Duration of Recovery</th>
<th>Potential Functional Areas Impacted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Earthquake</td>
<td>Highly Likely: Widespread Infrastructure/Lifeline Interruption; Liquefaction; Landslide; Structure Fire; Hazardous Materials Release</td>
<td>Catastrophic (more than 50% of area impacted)</td>
<td>5+ Years</td>
<td>Spiritual, Cultural, &amp; Civic; Economic; Environment; Education; Housing and Land Use; Health; Public Safety; Lifelines &amp; Transportation</td>
</tr>
<tr>
<td></td>
<td>Highly Likely: Widespread Infrastructure/Lifeline Interruption; Liquefaction; Landslide; Structure Fire; Hazardous Materials Release</td>
<td>Critical (25-50% of area impacted)</td>
<td>1-5 Years</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Highly Likely: Widespread Infrastructure/Lifeline Interruption; Liquefaction; Landslide; Structure Fire; Hazardous Materials Release</td>
<td>Limited (10-25% of area impacted)</td>
<td>Under 1 Year</td>
<td></td>
</tr>
<tr>
<td>Heat Wave</td>
<td>Highly Likely: Widespread Infrastructure/Lifeline Interruption; Liquefaction; Landslide; Structure Fire; Hazardous Materials Release</td>
<td>Critical (2+ days of 85°F or more)</td>
<td>Week +</td>
<td>Environment; Health; Lifelines &amp; Transportation</td>
</tr>
<tr>
<td></td>
<td>Highly Likely: Widespread Infrastructure/Lifeline Interruption; Liquefaction; Landslide; Structure Fire; Hazardous Materials Release</td>
<td>Significant (1-2 days of 85°F or more)</td>
<td>Up to 1 Week</td>
<td></td>
</tr>
</tbody>
</table>

**Vulnerability Assessment of Miraloma Park**

*Intentionally left blank. To be completed at a future date

2. Community Profile

Below, information regarding the community has been compiled in order to further inform this Resilient Action Plan regarding the context of the community. The information has been gathered from various sources, including but not limited to the American Community Survey 2005-2009 5 year estimates, U.S. Census data and the San Francisco Planning Department.

**DEMOGRAPHICS**

- Total Population*: 22,830
- Group Quarter Population*: 108
- Percent Female*: 50%

**HOUSEHOLD CHARACTERISTICS**

- Household*: 8,860
- Family Households*: 66%
- Households with Children, % of Total*: 28%
- Non-Family Households*: 31%
- Single Person Households, % of Total*: 21%

- Occupied Units*: 95%
- Owner occupied: 84%
- Renter occupied: 16%

- Vacant Units*: 5%
<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Avg Household Size*</td>
<td>2.6</td>
</tr>
<tr>
<td>Avg Family Household Size*</td>
<td>3.1</td>
</tr>
<tr>
<td>Race/Ethnicity*</td>
<td></td>
</tr>
<tr>
<td>Black/African American</td>
<td>2%</td>
</tr>
<tr>
<td>Asian</td>
<td>31%</td>
</tr>
<tr>
<td>White</td>
<td>59%</td>
</tr>
<tr>
<td>Native American Indian</td>
<td>0.20%</td>
</tr>
<tr>
<td>Native Hawaiian/Pacific Islander</td>
<td>0.10%</td>
</tr>
<tr>
<td>Other/Two or More Races</td>
<td>7%</td>
</tr>
<tr>
<td>% Latino (of Any Race)</td>
<td>9%</td>
</tr>
<tr>
<td>Age*</td>
<td></td>
</tr>
<tr>
<td>0 - 4 years</td>
<td>5%</td>
</tr>
<tr>
<td>5 - 17 years</td>
<td>14%</td>
</tr>
<tr>
<td>18 - 34 years</td>
<td>15%</td>
</tr>
<tr>
<td>35 - 59 years</td>
<td>43%</td>
</tr>
<tr>
<td>60 and older</td>
<td>22%</td>
</tr>
<tr>
<td>Educational Attainment</td>
<td></td>
</tr>
<tr>
<td>(Residents 25 years and older)</td>
<td></td>
</tr>
<tr>
<td>High School or Less</td>
<td>16%</td>
</tr>
<tr>
<td>Some College/Associate Degree</td>
<td>20%</td>
</tr>
<tr>
<td>College Degree</td>
<td>35%</td>
</tr>
<tr>
<td>Graduate/Professional Degree</td>
<td>29%</td>
</tr>
<tr>
<td>Nativity and Language</td>
<td></td>
</tr>
<tr>
<td>Foreign Born</td>
<td>26%</td>
</tr>
<tr>
<td>Language Spoken at home</td>
<td></td>
</tr>
<tr>
<td>(Residents 5 years and older)</td>
<td></td>
</tr>
<tr>
<td>English Only</td>
<td>65%</td>
</tr>
<tr>
<td>Spanish Only</td>
<td>5%</td>
</tr>
<tr>
<td>Asian/Pacific Islander</td>
<td>20%</td>
</tr>
<tr>
<td>Other European Language</td>
<td>9%</td>
</tr>
<tr>
<td>Other Languages</td>
<td>1%</td>
</tr>
<tr>
<td>Linguistic Isolation</td>
<td></td>
</tr>
<tr>
<td>% of All Households</td>
<td>6%</td>
</tr>
<tr>
<td>% of Spanish-Speaking Households</td>
<td>7%</td>
</tr>
<tr>
<td>INCOME, EMPLOYMENT AND JOURNEY TO WORK</td>
<td></td>
</tr>
<tr>
<td>Income</td>
<td>$121,151</td>
</tr>
<tr>
<td>Median Household Income</td>
<td></td>
</tr>
<tr>
<td>Median Family Income</td>
<td>$58,240</td>
</tr>
<tr>
<td>Per Capita Income</td>
<td></td>
</tr>
<tr>
<td>Percent in Poverty</td>
<td>6%</td>
</tr>
<tr>
<td>Employment</td>
<td></td>
</tr>
<tr>
<td>Unemployment Rate</td>
<td>11,630</td>
</tr>
<tr>
<td>Employed Residents</td>
<td>62%</td>
</tr>
<tr>
<td>% of Asian Language Speaking Households</td>
<td>21%</td>
</tr>
<tr>
<td>% of Other European-Speaking Households</td>
<td>14%</td>
</tr>
<tr>
<td>% of Households Speaking Other Languages</td>
<td>13%</td>
</tr>
</tbody>
</table>

Managerial and Professional Occupations | 12%
Service Occupations | 18%
Sales and Office Occupations | 3%
Construction and Maintenance Occupations | 5%
Production and Transportation Occupations |

**Notes:**
* 2010 Census, Summary File 1.
‡ "1939" represents 1939 or earlier
Δ "$1,000,000" means "$1,000,000 or more"

2010 Census Tracts for area: 030600, 030700, 031000, 030800, 30400

**Journey to Work**

| Workers 16 years and over | 11,240 |
| Car | 62% |
| Drove Alone | 50% |
| Carpoled | 12% |
| Transit | 27% |
| Bike | 1% |
| Walk | 2% |
| Other | 1% |
| Worked at Home | 7% |
D. Maps

Miraloma Park Landslide Risk Map
E. Resilient Action Plan Development Archive

*Intentionally left blank. This is currently being inputted.

F. Plans & Annexes

*Intentionally left blank. To be completed at a future date.