

**CITY COUNCIL MEETING
TUESDAY, NOVEMBER 29 2016**

PRESENTATIONS

Item #1 PH 16-111

2016 Hayward Local Hazard Mitigation Plan



2016 Local Hazard Mitigation Plan

PUBLIC HEARING

NOVEMBER 29, 2016

What is a Hazard Mitigation Plan?



- ▶ Disaster Mitigation Act of 2000
- ▶ Guiding document for actions taken prior to a natural hazard intended to reduce the impacts of the event
- ▶ Reviewed and approved by CalOES/FEMA
- ▶ Adopted by local governing body
- ▶ Valid for 5 years after approval and adoption

Why Hazard Mitigation Planning?



- ▶ Aligns with City Council priorities and General Plan goals
- ▶ Pre-Disaster Mitigation Grant Program
- ▶ Hazard Mitigation Grant Program
- ▶ National Flood Insurance Program Community Rating System Points
- ▶ Waiver of 6.25% local match for FEMA Public Assistance

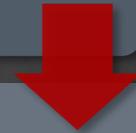
2015 Plan Update Process



Assemble a team



Review 2010 Plan



Community Engagement



Risks, Capabilities, & Assets



Mitigation Strategy Selection

Community Engagement



ROLLING HILLS. GORGEOUS COASTLINE.

WIDE OPEN SPACES.

CONSTANT THREAT OF A CATASTROPHIC EARTHQUAKE.

ARE WE PREPARED?

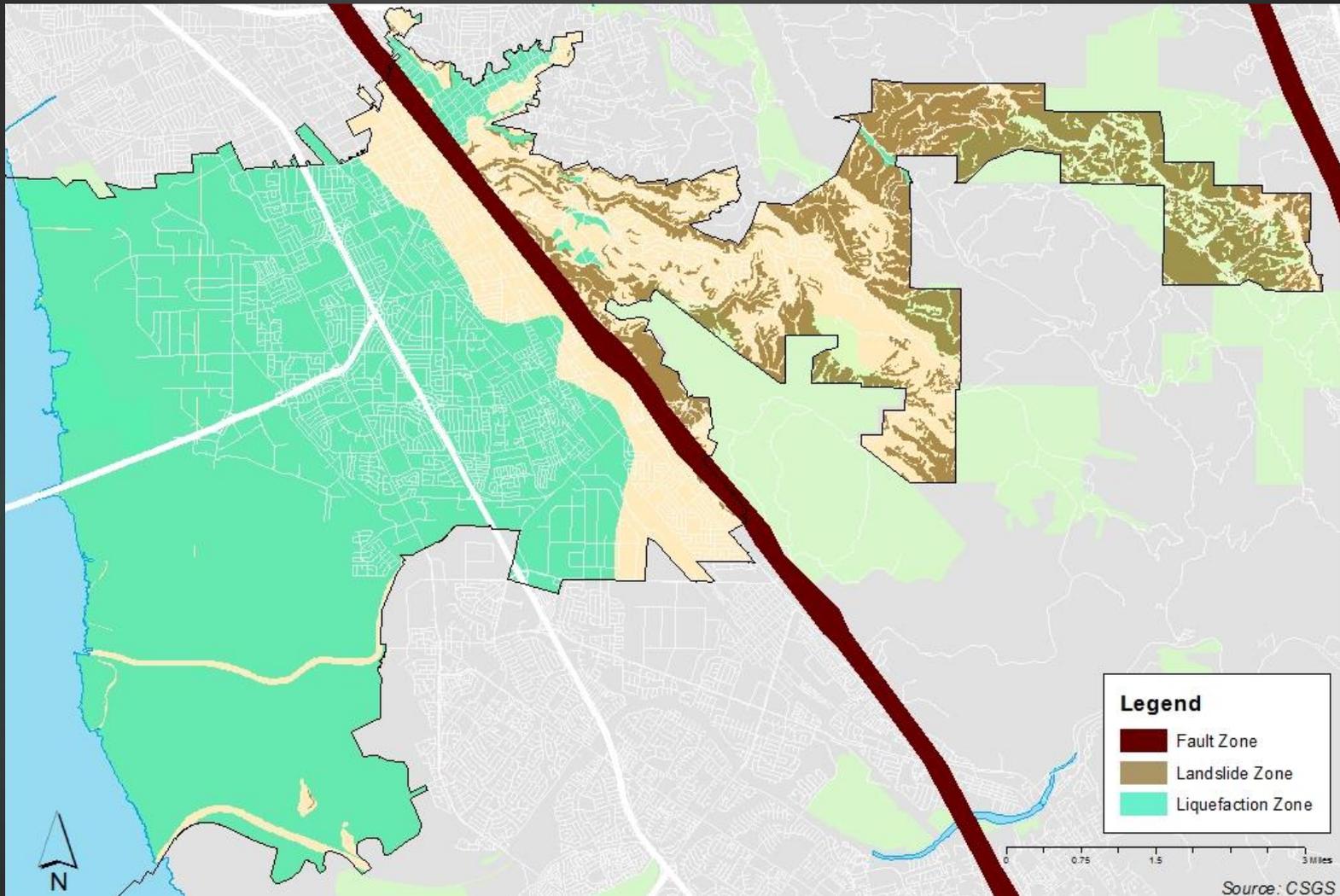
The City of Hayward cares deeply about the safety of our residents and their families. That's why we're creating a Local Hazard Mitigation Plan. We want your opinion on how to best prepare for a natural disaster. **Take our survey and tell us — so we can protect what matters most to you.**

TAKE THE SURVEY: [SURVEYMONKEY.COM/r/HaywardLHMP](https://www.surveymonkey.com/r/HaywardLHMP)

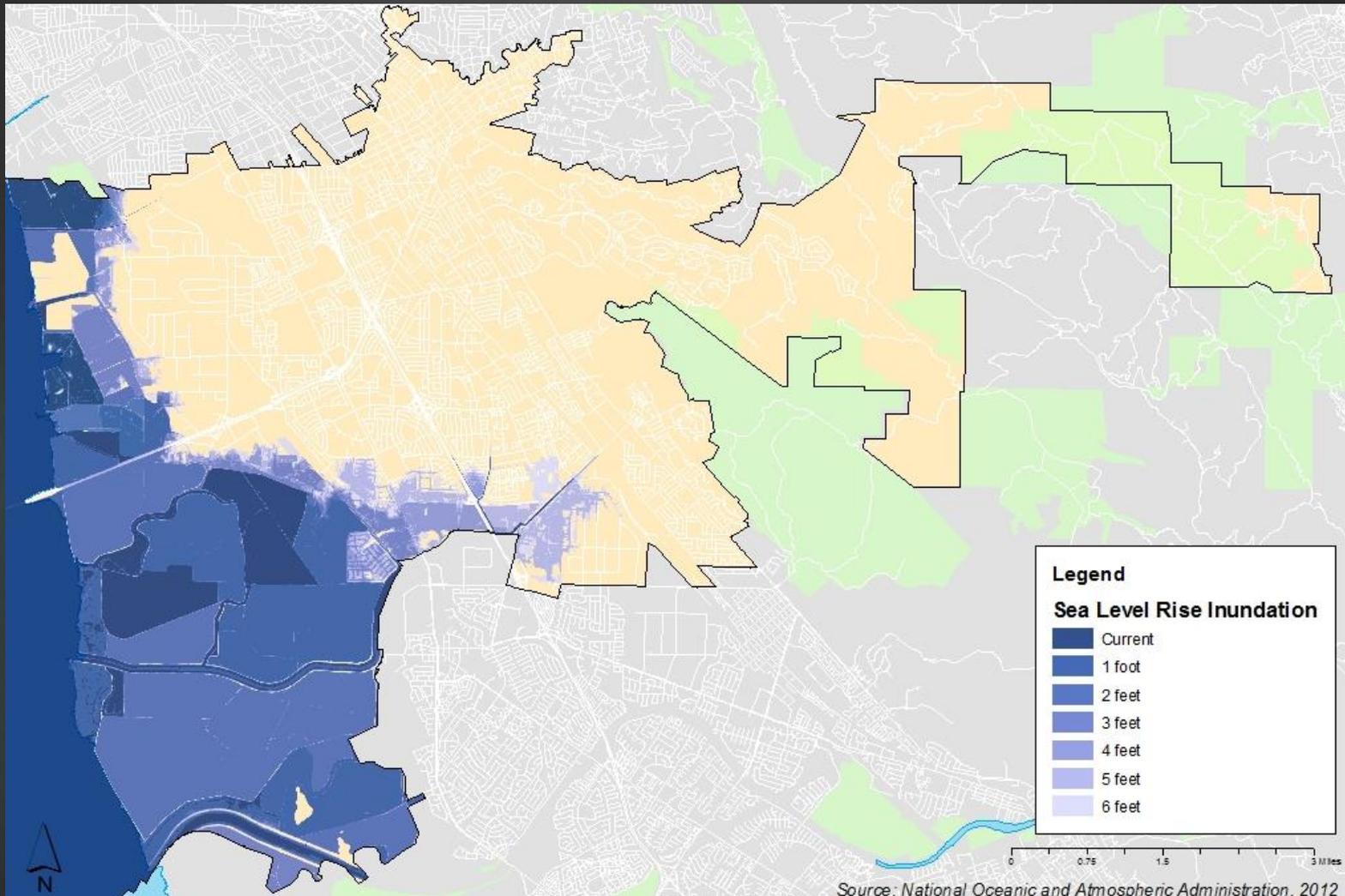
VISIT THE WEBSITE: [HAYWARD-CA.WIX.COM/LHMP](https://www.hayward-ca.wix.com/LHMP)



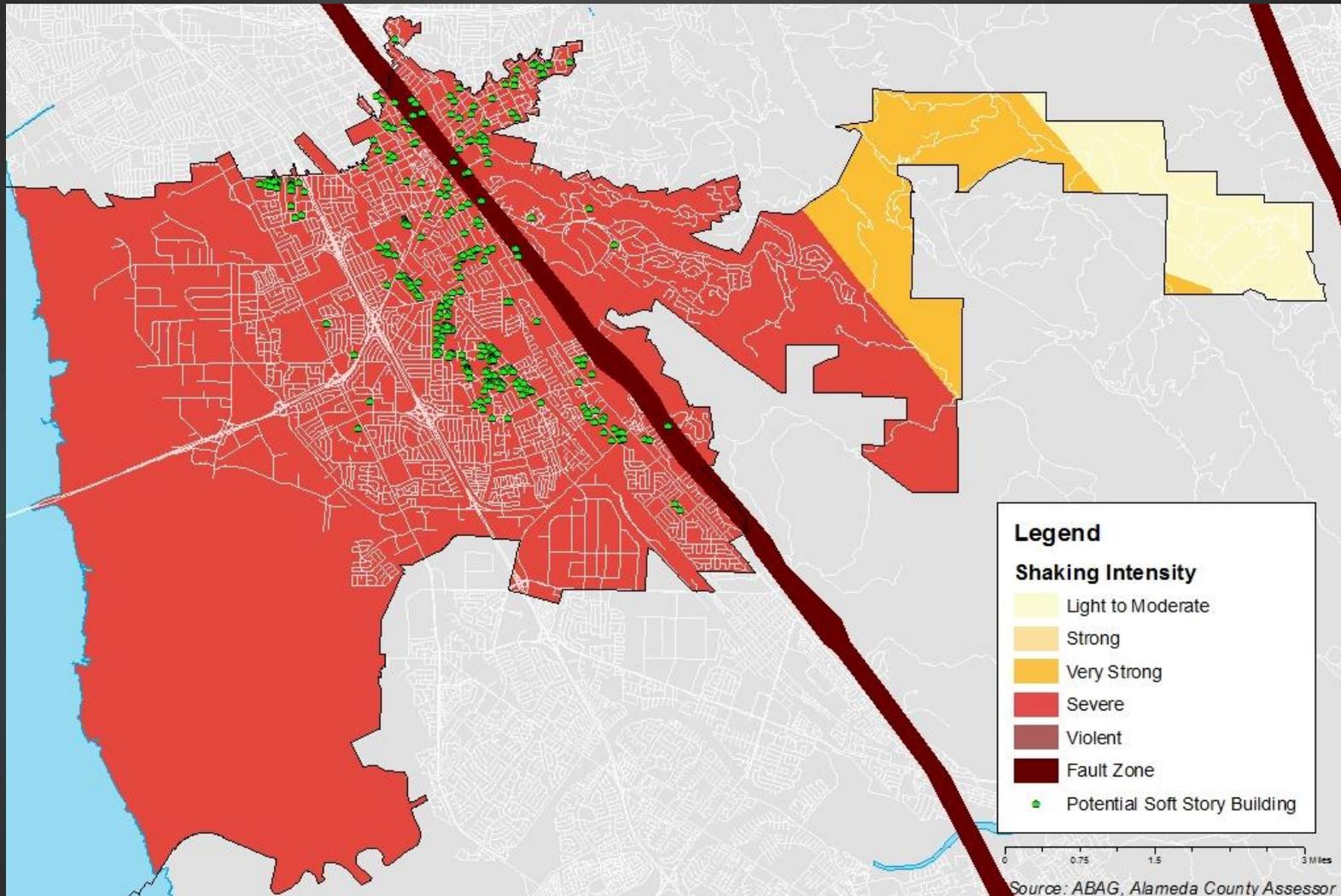
Risk Assessment



Risk Assessment



Risk Assessment



Mitigation Strategies



ACTION PRIORITY LEVEL

Very High
to
High

Employee Education
Emergency Management Plan Update
Tabletop & Field Exercises
Communications Redundancy
Community Preparedness
Recovery Plan • Recycled Water Project
Fragile Housing Retrofits • Lifelines Council
SR-92 Study • Defensible Space Programs
Implement Adapting to Rising Tides
Participate in multi-agency sea level rise efforts
Shoreline Realignment Plan
HEA Seismic Safety Evaluation
Fully Equip First Responders

Moderate
to Low

Hazardous Materials Programs • Mobile Home
Retrofits • Environmental Programs • Landslide
Mitigation • Administrative Programs

General Plan Goals & Policies



Community Safety Element

- ▶ CS-1.1 Community Partnerships
- ▶ CS-1.16 Immigrant Outreach Programs
- ▶ CS-3.1 Fire Prevention Education
- ▶ CS-3.2 Fire and Building Codes
- ▶ CS-3.6 Fire Safety Inspections
- ▶ CS-3.7 Removal of Fire Hazards
- ▶ CS-4.10 Investment in Technology
- ▶ CS-5.1 Public Education
- ▶ CS-5.2 Neighborhood Preparedness Tools and Resources
- ▶ CS-5.3 Emergency Preparedness Kits
- ▶ CS-5.4 Community Emergency Response Training
- ▶ CS-5.5 Emergency and Disaster Drills

- ▶ CS-5.6 Comprehensive Emergency Management Plan
- ▶ CS-5.7 Energy Assurance Plan
- ▶ CS-5.10 Mutual Aid Agreements
- ▶ CS-5.11 Mass Communications Device

Hazards Element

- ▶ HAZ-2.9 Seismic Retrofits
- ▶ HAZ-2.10 City Facilities
- ▶ HAZ-3.3 Floodplain Management Ordinance
- ▶ HAZ-4.1 Monitor Rising Sea Level
- ▶ HAZ-4.2 Adapting to Rising Tides
- ▶ HAZ-4.3 Shore Realignment Master Plan
- ▶ HAZ-4.4 FIRM Maps
- ▶ HAZ-4.5 Rising Sea Level Disclosures

Public Facilities & Services Element

- ▶ PFS-4.8 Seismic Safety
- ▶ PFS-4.12 Renewable Energy
- ▶ PFS-6.1 Interagency Levee Management

Natural Resources Element

- ▶ NR-1.4 Shoreline Protection and Enhancement
- ▶ NR-2 Recycled Water Program
- ▶ NR-6.6 Stormwater Management

Next Steps



- ▶ Recommend adoption of Local Hazard Mitigation Plan as an amendment to the 2040 Hayward General Plan
- ▶ Work to implement mitigation strategies identified in current LHMP & apply for available funding
- ▶ Will need to renew the plan in 2021:
Multi-Jurisdictional Hazard Mitigation Plan?

Questions & Discussion



Item #2 LB 16-105

East Bay Community Energy



East Bay Community Energy

UTILITIES & ENVIRONMENTAL SERVICES

Erik Pearson
Environmental Services Manager

November 29, 2016

Outline



- ▶ What is CCA
- ▶ Existing CCAs
- ▶ County Efforts
- ▶ Steering Committee
- ▶ JPA
- ▶ Technical/Feasibility Study
- ▶ Actions of Other Alameda County Cities
- ▶ EBCE Financing
- ▶ County's Next Steps



What is Community Choice?

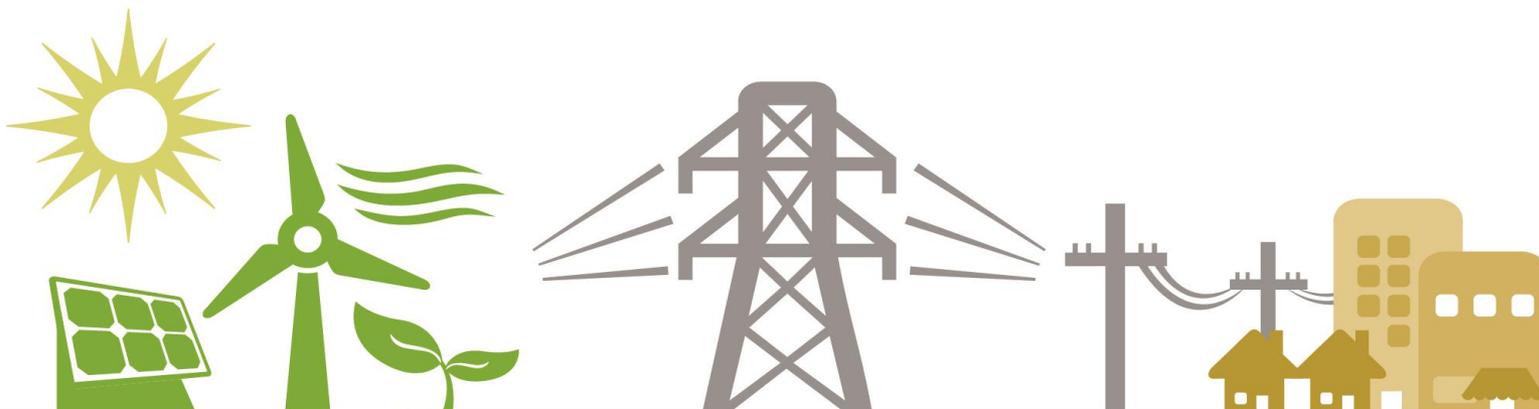


- ▶ Community Choice Aggregation (CCA), also called Community Choice Energy (CCE)
- ▶ Allowed by AB 117 (2002)
- ▶ CCA allows local governments to pool their residential, business and municipal electricity loads and purchase/generate power on their behalf

How CCA Works



How Local Energy Aggregation Works



source



CCA

buying and building
electricity supply

delivery



UTILITY

delivering energy,
maintaining lines,
billing customers

customer



YOU

benefitting from
affordable rates,
local control,
cleaner energy

CCE Features



- Governed by Board of Local Elected Officials
- Offers consumers a choice where none currently exists
- Revenue supported, not taxpayer subsidized
- Competitive electricity rates
- Allows significant GHG reductions
- Provides funding source for energy efficiency programs

Existing CCE Programs



Program	Launch Year
Marin Clean Energy	2010
Sonoma Clean Power	2014
Lancaster Choice Energy	2015
Clean Power SF	2016
Peninsula Clean Energy	2016

Cities that have joined MCE



- County of Marin and all 11 municipalities
- Unincorporated Napa County
- Benicia
- El Cerrito
- San Pablo
- Richmond
- Lafayette
- Walnut Creek



Other CCAs in California



- **Operational CCAs**
 MCE Clean Energy (*includes Napa County, parts of Contra Costa and Solano Counties*)
 Sonoma Clean Power
 Lancaster Choice Energy
 Clean Power San Francisco
 Peninsula Clean Energy (*San Mateo County*)
- **2017 Launch**
 Santa Clara County / *Silicon Valley Clean Energy*
 Alameda County / *East Bay Community Energy*
 Humboldt County / *Redwood Community Energy*
 Mendocino County (*as member of Sonoma Clean Energy*)
 Los Angeles County (*Phase 1*)
 Placer County
 Yolo County--City of Davis / *Valley Clean Energy Alliance*
 Town of Apple Valley
- **Exploring / In Process**
 Butte County
 City of Hermosa Beach
 City of Pico Rivera
 City of San Jacinto
 City of San Jose
 Contra Costa County
 Fresno County
 Kings County
 Monterey County*
 Riverside County
 San Benito County*
 San Bernardino County
 San Diego County
 San Joaquin County
 San Luis Obispo County**
 Santa Barbara County**
 Santa Cruz County*
 Solano County
 Tulare County
 Ventura County**

*Monterey Bay Tri-County
 **Central Coast Tri-County

Basic Program Mechanics



1. Local governments form Joint Powers Agency.
2. PG&E continues to provide billing, transmission and customer service.
3. PG&E programs for low income customers remain.
4. CCE electric generation charges (including exit fee) appear as new line items on the customer bill.
5. CPUC certifies CCE Plan.
6. Under State law, CCE is an “opt-out” program.

Sample Energy Bill – MCE



ENERGY STATEMENT

www.pge.com/MyEnergy

Account No: 1234567890-1

Statement Date: 10/01/2013

Due Date: 10/22/2013

Service For:

MARY SMITH
1234 STREET AVENUE
SAN RAFAEL, CA
94804

Questions about your bill?

24 hours per day, 7 days per week
Phone: 1-866-743-0335
www.pge.com/MyEnergy

Local Office Address

750 LINDARO STREET, STE 160
SAN RAFAEL, CA 94901

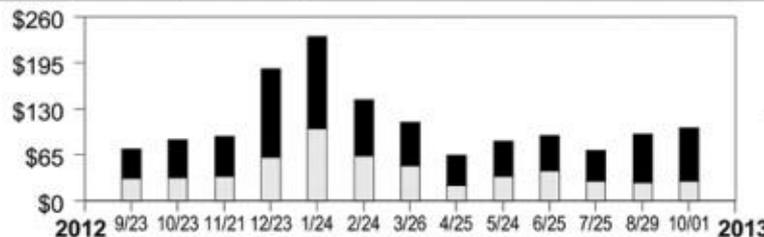
Your Account Summary

Amount Due on Previous Statement	82.85
Payments Received Since Last Statement	82.85
Previous Unpaid Balance	\$0.00
Current PG&E Electric Delivery Charges	\$39.32
MCE Electric Generation Charges	\$42.81
Current Gas Charges	\$27.20
Total Amount Due	\$109.33

Total Amount Due \$109.33

Monthly Billing History

Daily Usage Comparison



1 Year Ago Period Current Period

9.66 12.27 12.28

Electric kWh / Day

0.83 0.75 0.75

Gas Therms / Day

Steering Committee



- Representatives from all cities
- Includes environmental groups, labor, social justice, etc.
- Committee met monthly since June 2015
- Provided forum for discussion and education



Overview of Tech Study Results



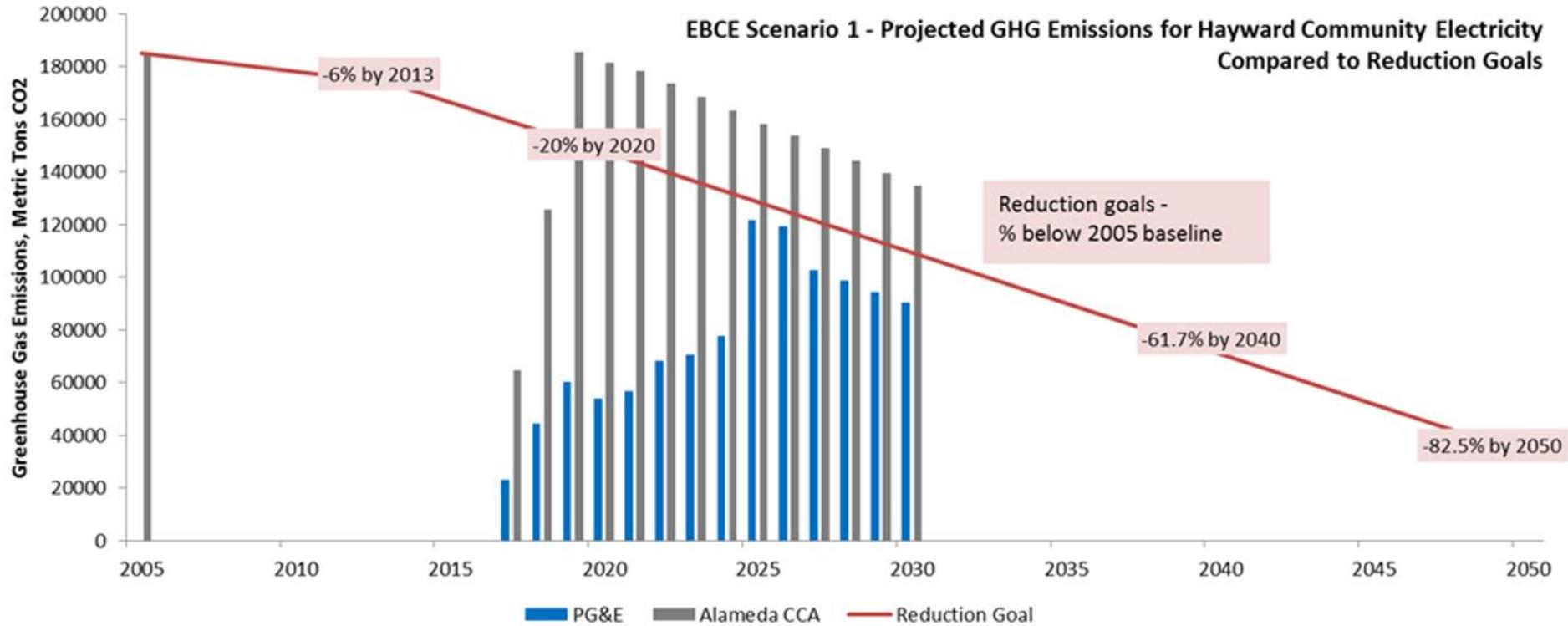
- Considers peak demand requirements, ability to be competitive with PG&E and procure enough renewables
- All scenarios were LESS expensive than PG&E
- Sensitivity analysis shows lower than expected PG&E rates
- Only under a 'perfect storm' of negative conditions was the rate higher.
- Homes and businesses could save between 1-9% on electricity bill.
- Scenarios 2, 3 and 4 can substantially reduce GHG emissions
- Positive economic development impacts
- EBCE could successfully start-up with minimum of 6.5 – 7% of total load.

Four Scenarios from Tech Study

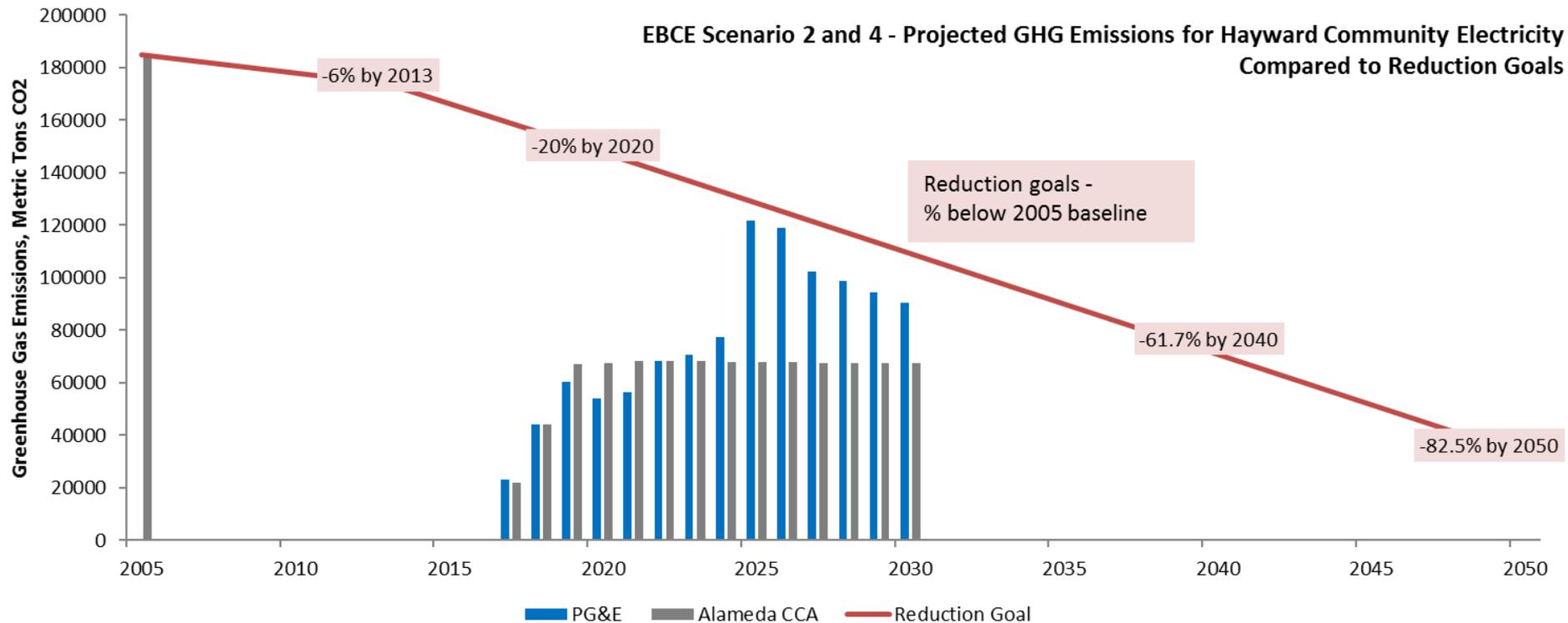


	Scenario 1 Minimum RPS Compliance	Scenario 2 More Aggressive	Scenario 3 Ultra-Low GHG	Scenario 4 Local Devel.
Renewable Content	33% in 2020 & 50% in 2030	50% from 1st year	50% from 1st year & 80% by 5th year	Same as Scenario 2
GHG compared to PG&E	Higher in every year	Slightly Higher for 1st few years	Lower in every year	Same as Scenario 2
Anticipated Rate Savings	7%	6.5%	3%	5.7%
Average Annual Direct Jobs	165	166	174	579
Average Annual Total Jobs	1,322	1,286	731	1,671

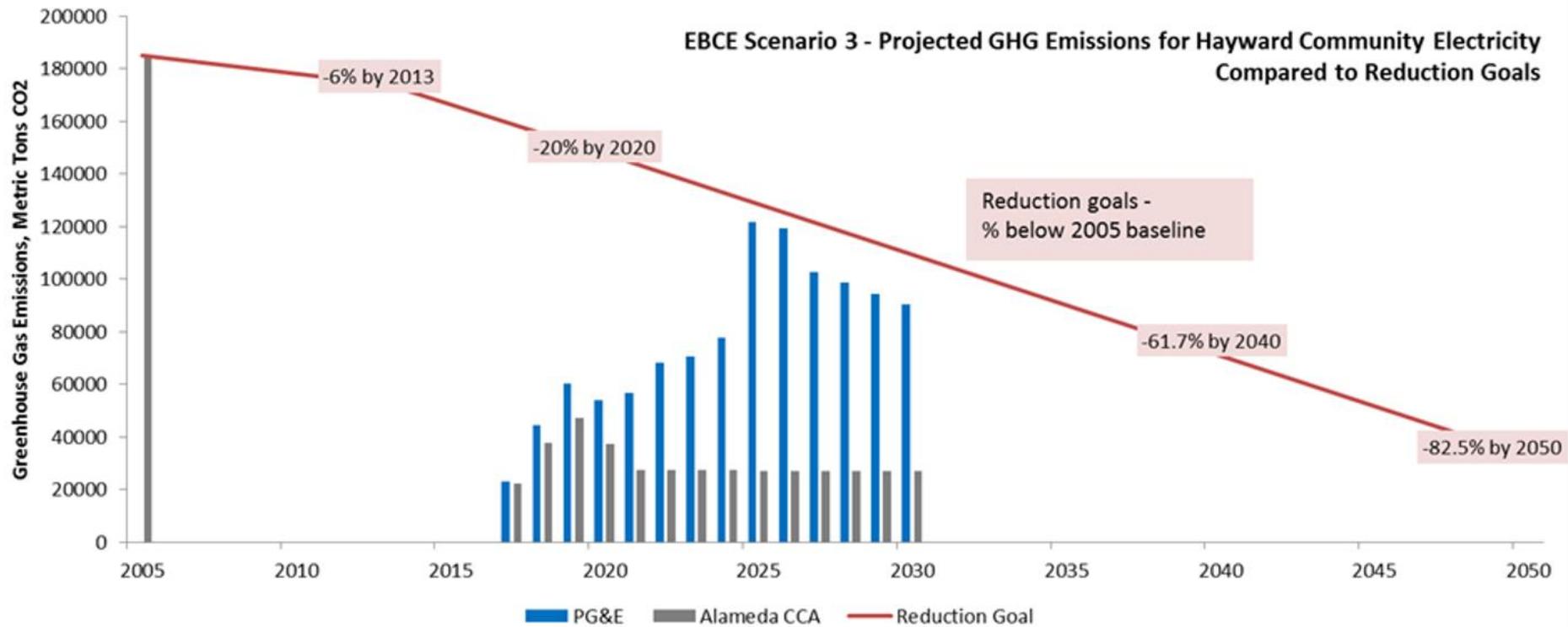
Scenario 1



Scenarios 2 & 4



Scenario 3



JPA Agreement



- Creates separate legal entity; no City liability
- Board of Directors will be made up of elected officials from each Party.
- Community Advisory Committee consisting of nine members to advise the JPA Board.
- Voting. Board can act by a majority (“percentage vote”). Following a vote, three or more Directors can request, a “voting shares vote,”.
- Withdrawal. If a Party withdraws, the JPA must be reimbursed for any stranded costs incurred.

EBCCE Would Be Largest CCE in CA



CCE Program	Customers	Sales (GWh)
<i>East Bay Community Energy/ Alameda County</i>	~600,000	~6,500
Silicon Valley Clean Energy/ Santa Clara County	~210,000	~3,400
Clean Power SF/San Francisco	~340,000	~3,200
Peninsula Clean Energy/ San Mateo County	~250,000	~3,300
Marin Clean Energy - includes Marin, Napa, parts of Contra Costa	170,000	1,800
Sonoma Clean Power	190,000	2,100

Recent Board of Supervisors Action



- On October 4, County Board of Supervisors:
 - Received Technical Study
 - Approved JPA Agreement
 - Conducted First Reading of CCE Ordinance
- Approved additional \$2.4 million to launch program (\$3.7 million total)
- Asking cities to join JPA by December 2016.
- Targeting program launch and customer enrollment in late Fall 2017



Project Timeline



Phase 1:

Initial Assessment & Tech Study

- ✓ BOS funds allocated
- ✓ Steering Committee (SC) formed
- ✓ Stakeholder database developed

- ✓ RFP issued and Study completed
- ✓ Targeted stakeholder mtgs;
- ✓ JPA Agreement and CCE ordinance drafted
- **BOS – Go/No-Go Decision**

Phases 2-3:

Program Implementation & Launch

- City Ordinances and JPA Agreement
- JPA Agency forms
- Technical, marketing and data mgmt. contracts
- Community Outreach
- Implementation Plan

- Agency Financing
- Marketing/outreach
- Energy supply contract(s)
- Call center live; opt-out notices
- Utility bond and service agreement

Oct
2016

Phase 2-3
Approvals

Q4
2016

JPA Formed

Q1/2
2017

Imp. Plan &
Energy Svcs

Q3/4
2017

Phase 1
Program
Launch

Financing – Possible Loan Guarantee



- Board of Directors to decide on financing in early 2017
- Credit guaranty may be needed
- Other CCE programs have had member cities offer letters of credit
- EBCE may request member cities to provide letters of credit.

Other Alameda County Cities



Name of City	1st Reading of Resolution & Ordinance	2nd Reading of Resolution & Ordinance	Status as of 11/18/2016
Albany	11/7/16		Approved 1 st Reading
Berkeley	11/1/2016	11/15/2016	Approved 1 st Reading
Dublin	11/15/16	12/6/16	Approved 1 st Reading
Emeryville	11/1/2016	11/15/2016	Approved 1 st Reading
Fremont	11/8/2016	11/15/2016	Approved 2 nd Reading
Hayward	11/29/16	12/6/2016	
Livermore	11/28/2016	TBD	
Newark	11/10/2016		Not Approved
Oakland	11/29/2016	12/13/2016	
Piedmont	11/7/16	11/21/2016	Approved 1 st Reading
Pleasanton	TBD	TBD	
San Leandro	11/21/16	12/5/16	
Union City	11/22/2016		

Pleasanton



Conclusions:

- EBCCE might need to pay more for new renewable energy sources than anticipated
- Power Charge Indifference Assessment may be underestimated;
- Risks and volatility impacts of hydro resources are not fully analyzed; and
- Opt out rates may be higher than anticipated.

County's Next Steps



- Board to meet in January
- Hire consultant for Technical, Energy Procurement and Data Management Services
- Hire consultant for Community Outreach, Marketing and Customer Notification
- Opt-Out Notices (summer 2017)

Recommendation



1. Introduce the ordinance to join the East Bay Community Energy Authority; and
2. Adopt the resolution authorizing the City Manager to execute the Joint Powers Agreement to become a member of the East Bay Community Energy Authority.

Questions & Discussion

