

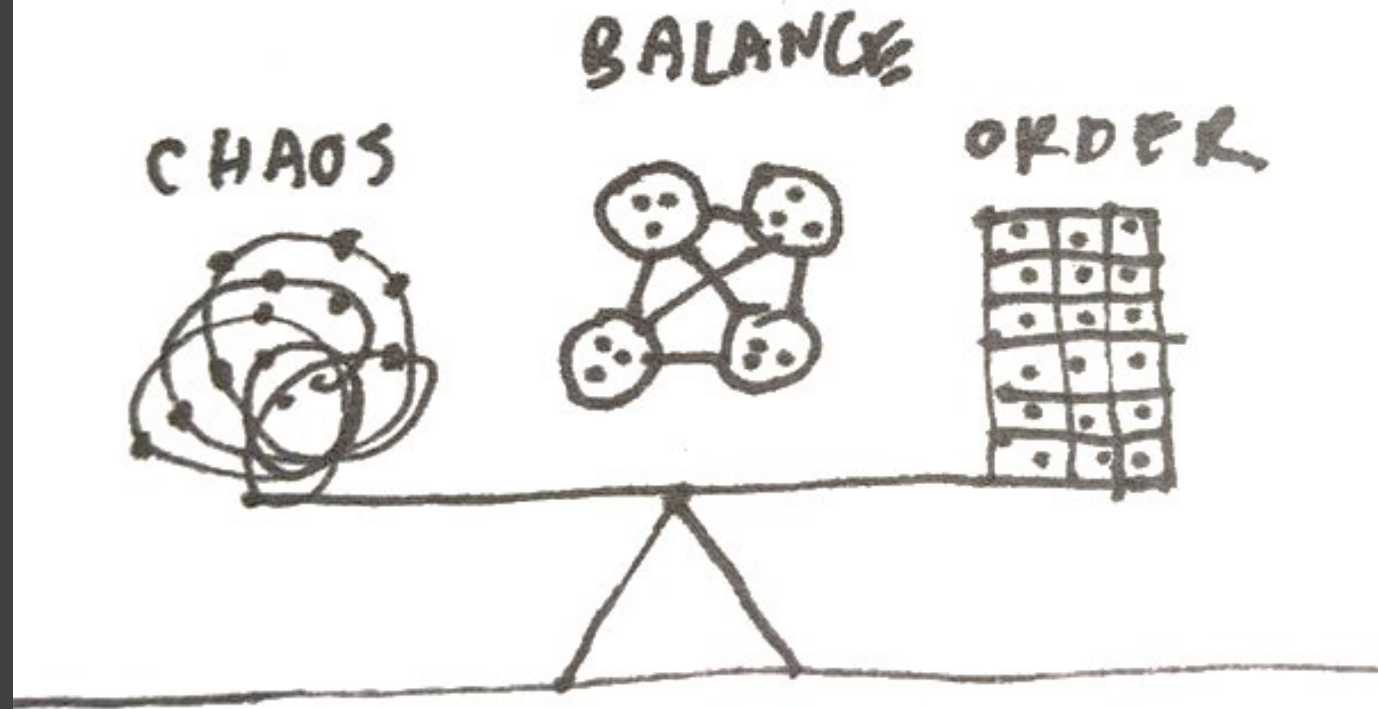
Methods for Integrating Across Initiatives

Putting integrated planning and collaboration into practice.



Michael Germeraad

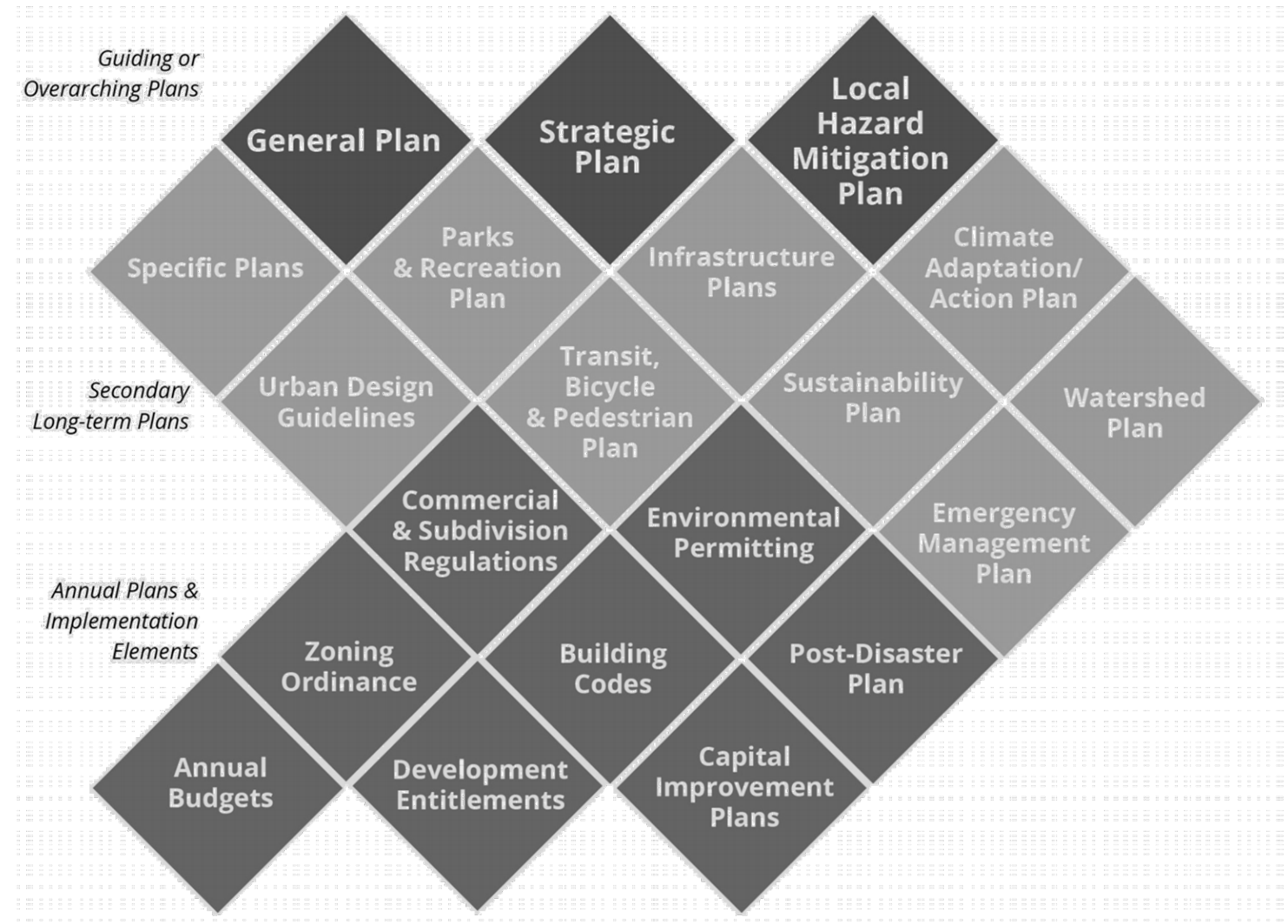
Resilience Planner, MTC/ABAG
mgermeraad@bayareametro.gov



Challenges of Integrated Planning

There are many plans, owned by many people, with unique timelines, changing requirements, and differing goals.

How do you leverage each to advance a new housing or sustainability goal?



Borrowed Talking Points

1. Plan Alignment Guides

State of California, Office of Planning & Research



2. Visual Frameworks

Dave Gray, XPLANE



3. Case Study: Plan Bay Area

ABAG/MTC



Two California Planning Alignment Guides

While designed for resilience, the alignment guides offer general integration concepts as well as key overlaps between core planning documents.

Coastal Compass

Hazard Resilience Planning in California



<https://resilientca.org/topics/plan-alignment/compass/>

Wildfire Alignment Guide

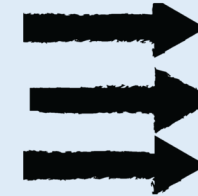
Coming soon from OPR

Integration Pathways

Develop a **needs assessment** that lists components of each initiative or plan. Identify where components are similar and may benefit from integration (e.g. existing conditions report, disadvantaged community mapping, engagement).

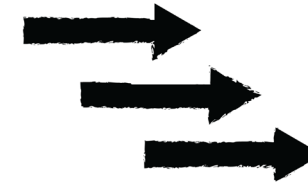
Concurrent Pathway

Allows for timely integration and alignment across topical areas. Requires substantial agency and decision-making capacity.



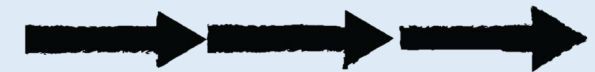
Cascading Pathway

Consider front/back loading certain work so that timelines of joint efforts overlap.



Sequential Pathway

Invite those whose plans come later to weigh in on critical decisions to integrate into the first effort.



Housing Element Integration

Hook

“The energy conservation section of the element must inventory and analyze the opportunities for energy conservation in residential development such as energy saving features, energy saving materials, and energy efficient systems and design for residential development (Gov. Code §65583(a)(8)) ... Updated policies and programs can address a variety of factors related to energy conservation and even broader environmental goals such as climate change by highlighting the environmental significance and operational benefits of employing energy conservation in the siting, building and retrofitting of decent, safe and affordable housing.” – OPR General Plan Guidelines

Identify the opportunity

Step 1

Consider how your city plans to advance resilience action.



Cities can advance resilient housing through several interrelated planning efforts. The Housing Element, Safety Element, Environmental Justice Element, and Local Hazard Mitigation Plan are key opportunities to strengthen your resilience planning. Checking the status of these plans and assessing existing resilience policies is an important first step. [Briefer 04](#) (5 pages) introduces how recent state legislation requires greater integration of resilience in local long-range planning.

Step 2

Explore how exposed your existing housing is to hazards.



A community can bolster resilience by improving existing housing. [Exposure data tables](#) highlight the number of parcels in a jurisdiction exposed to wildfire, FEMA flood zones, and future sea level rise inundation. These tables, and other analysis, can be used to characterize the existing housing stock in the Housing Needs section of the Housing Element, and can inform responsive policies in Step 4.

Step 3

When possible, site future housing away from the most hazardous sites.



Future housing can be more resilient if placed outside the most hazardous locations. The [Housing Element Site Selection \(HESS\)](#) tool includes a set of natural hazard and climate impact layers to help inform decisions and balance safety with other housing requirements and goals. For housing that is sited in high hazard areas, consider responsive policies and programs in Step 4 to mitigate risk.

Step 4

Consider resilient policies to address existing or future housing risks.



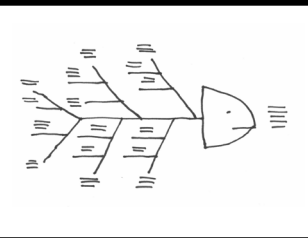
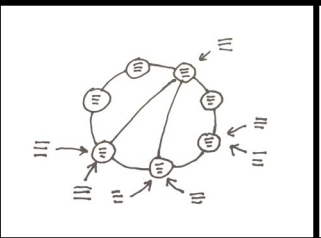
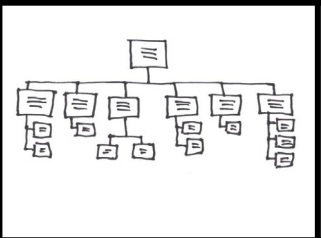
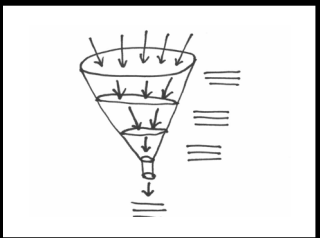
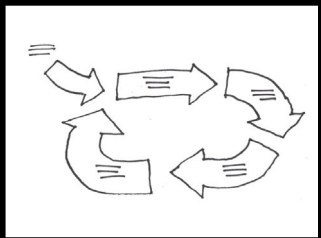
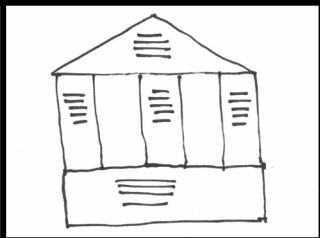
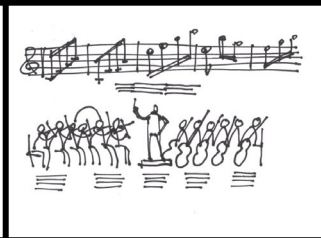
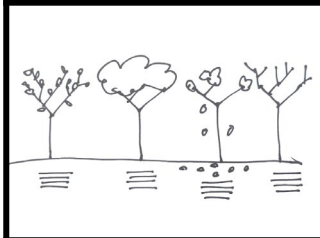
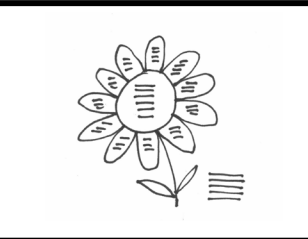
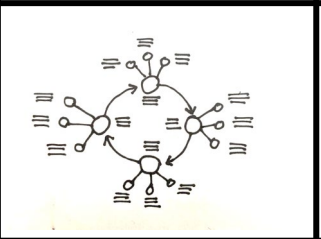
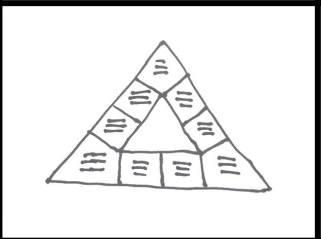
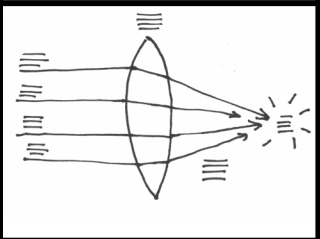
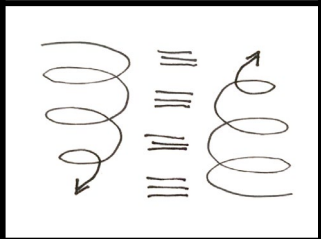
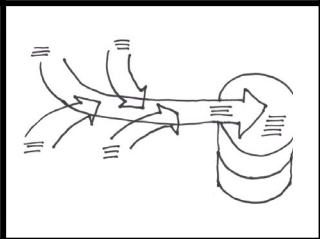
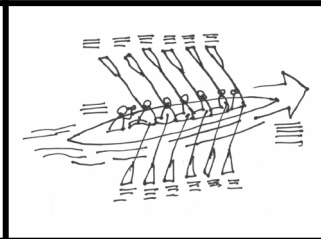
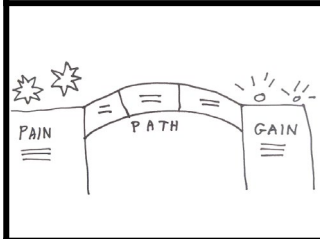
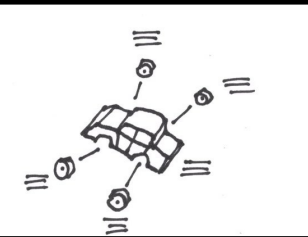
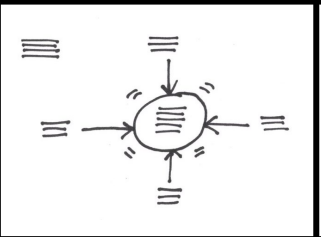
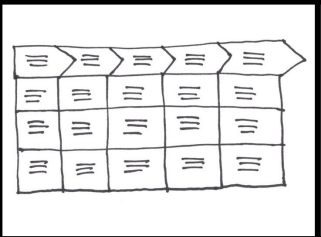
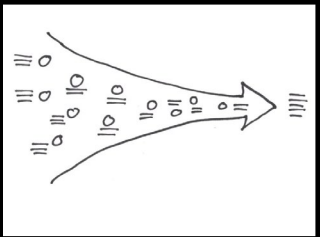
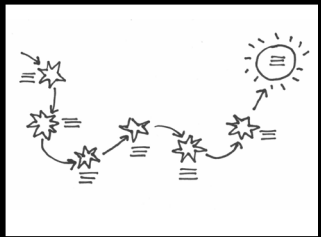
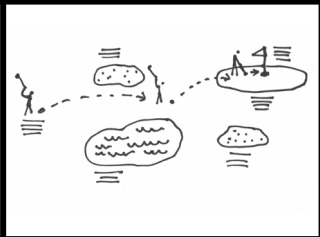
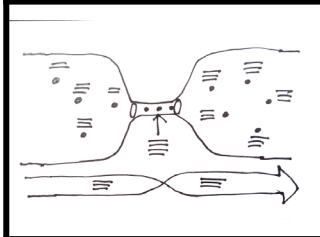
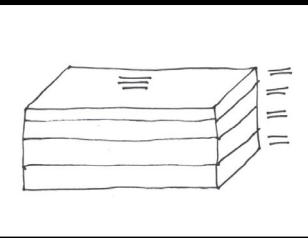
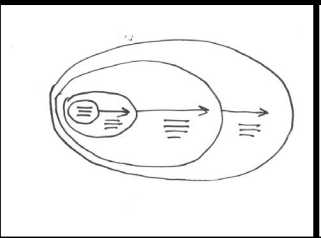
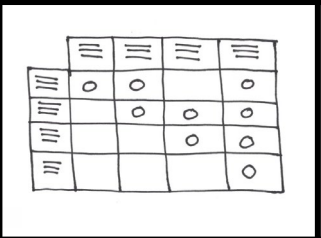
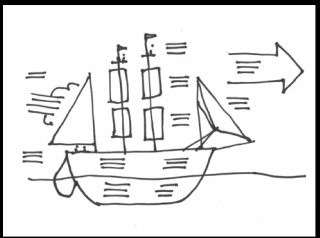
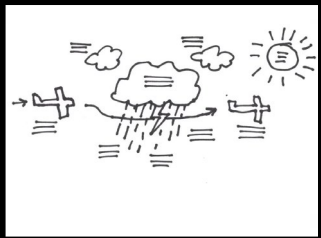
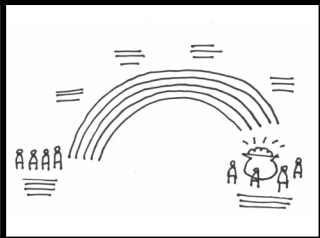
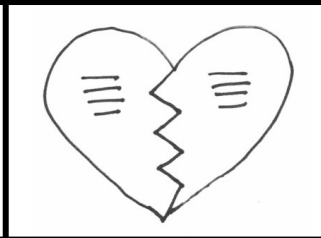
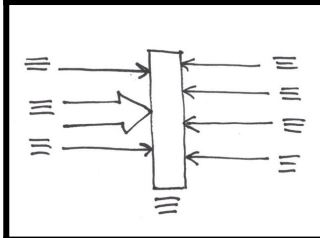
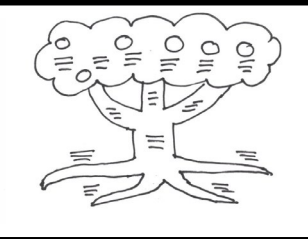
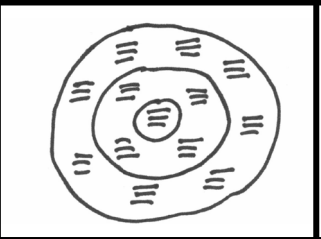
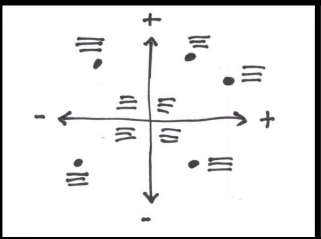
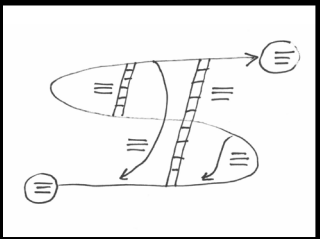
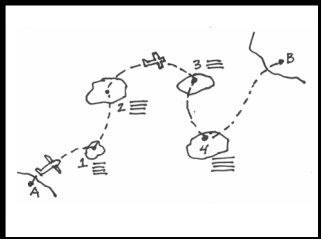
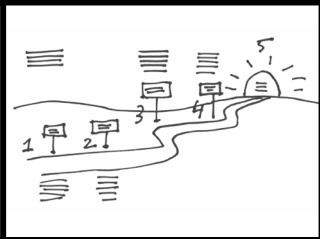
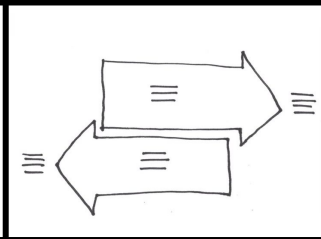
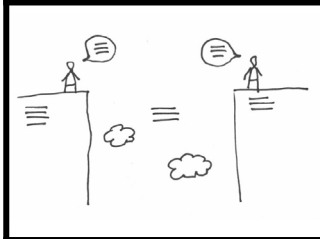
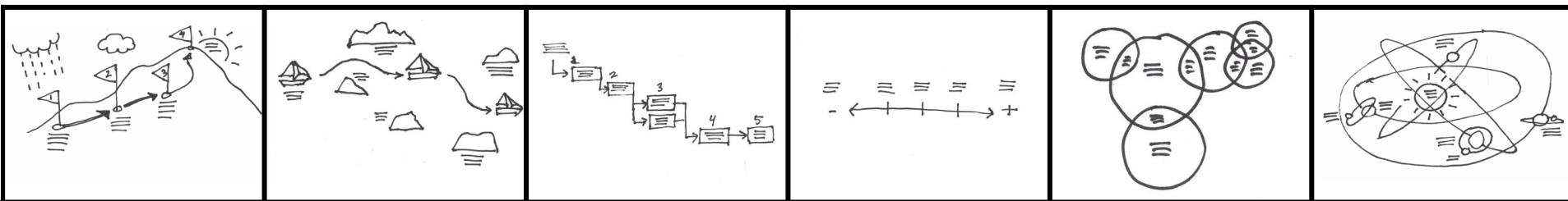
The [Resilient Housing Policy Document](#) provides a menu of options that jurisdictions can use as a starting point to help reduce risk to existing and future housing. These can be integrated into the Housing Element's Goals, Policies and Programs section as well as in parallel planning efforts like the Safety Element.

Identify the pathway

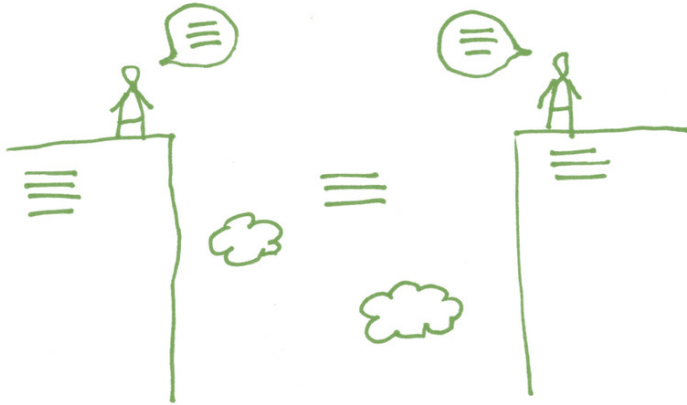
- Understand the context.
 - Jurisdictions are in the 11th hour of Housing Elements currently.
 - Their may still be an opportunity to influence programs and policies. BayREN has a guide of model policies:
<https://abag.ca.gov/technical-assistance/bayren-housing-element-and-energy-conservation-planning>
- Explore the draft and consider the following:
 - How can your existing work flex to align with theirs?
 - How can your future work (CAP, programs) build toward their draft plan?
- Debrief the experience, if you were involved in the Housing Element update.

Visual Frameworks

Dave Gray (XPLANE) @davegray



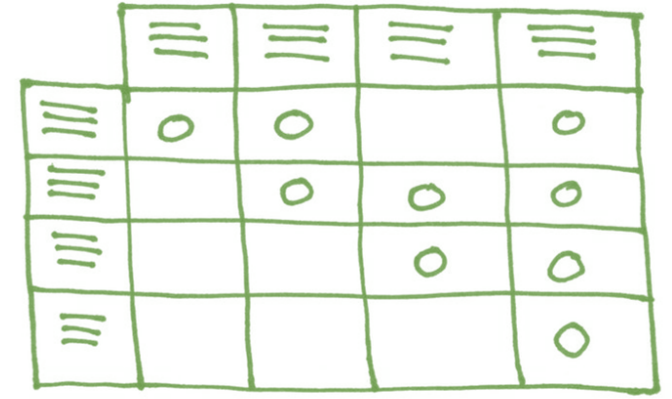
Visual frameworks for integrating efforts:



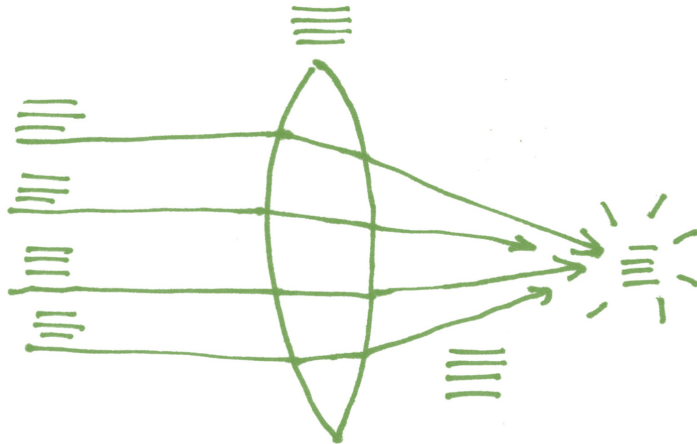
Identify where you are and name the existing gap between efforts.



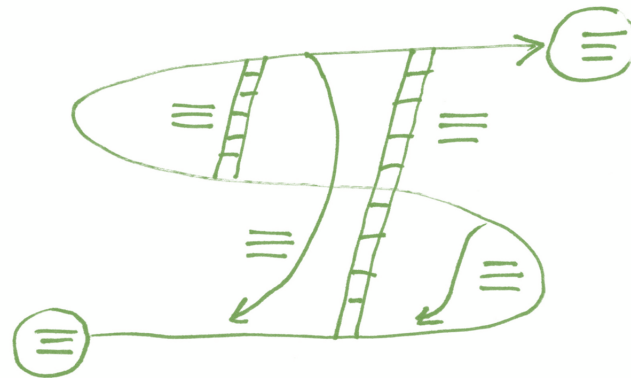
Identify the components of a uniform vision.



Create a matrix of how different components across each initiative relate or don't.



Identify components with a shared focus or process.



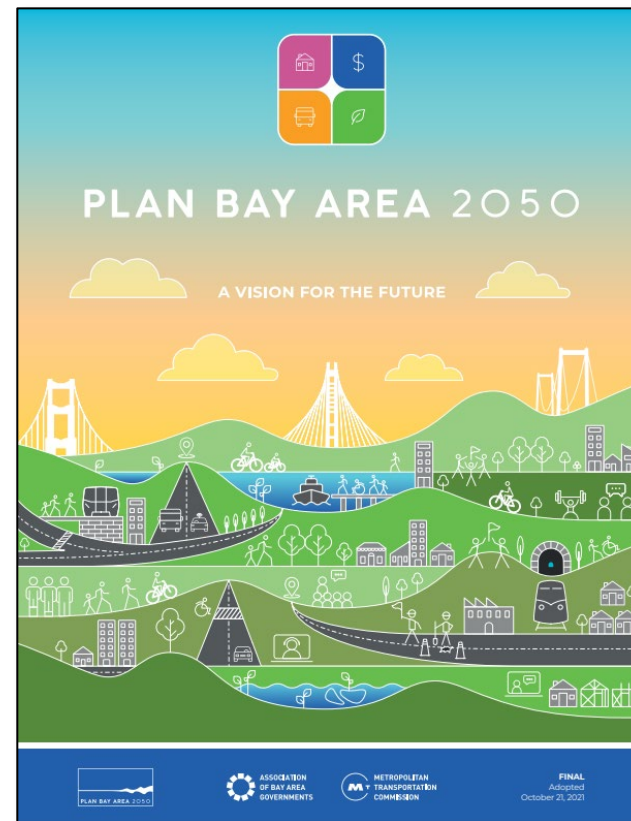
Identify actions that may accelerate your path or send you backward.



Identify the processes and deliverables that build toward the integrated effort.

Integrating Environment Strategies into Plan Bay Area 2050.

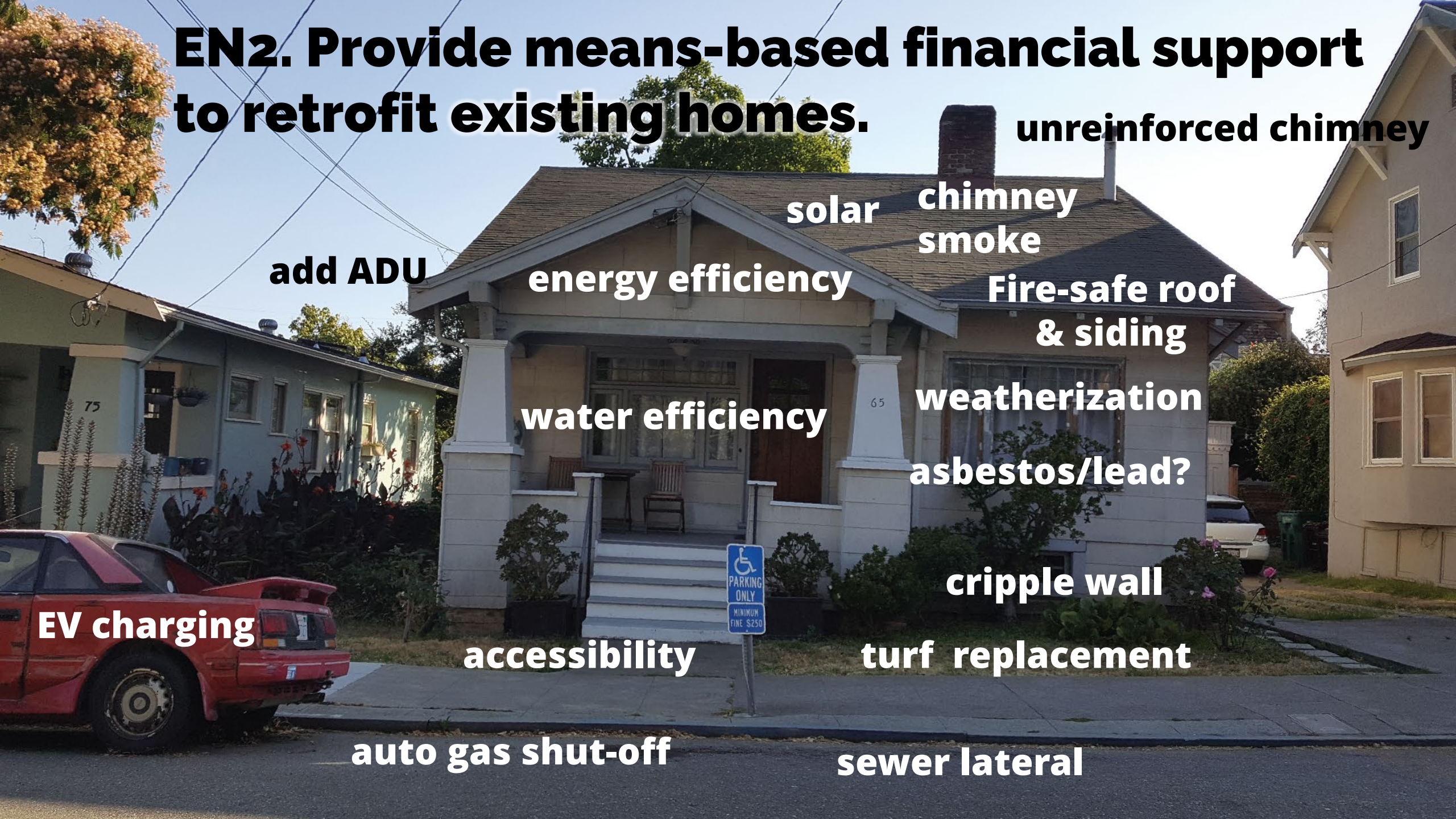
Plan Bay Area 2050, adopted in 2021, included an environment element for the first time. While GHG reduction has long been a required goal, this plan expanded the scope to new topics.



Environmental Strategies — Cost: \$103 Billion		
Reduce Risks From Hazards	EN1. Adapt to sea level rise. Protect shoreline communities affected by sea level rise, prioritizing low-cost, high-benefit solutions and providing additional support to vulnerable populations.	\$19 BILLION
	EN2. Provide means-based financial support to retrofit existing residential buildings. Adopt building ordinances and incentivize retrofits to existing buildings to meet higher seismic, wildfire, water and energy standards, providing means-based subsidies to offset associated costs.	\$15 BILLION
	EN3. Fund energy upgrades to enable carbon neutrality in all existing commercial and public buildings. Support electrification and resilient power system upgrades in all public and commercial buildings.	\$18 BILLION
Expand Access to Parks and Open Space	EN4. Maintain urban growth boundaries. Using urban growth boundaries and other existing environmental protections, focus new development within the existing urban footprint or areas otherwise suitable for growth, as established by local jurisdictions.	N/A
	EN5. Protect and manage high-value conservation lands. Provide strategic matching funds to help conserve and maintain high-priority natural and agricultural lands, including but not limited to, Priority Conservation Areas and wildland-urban interface areas.	\$15 BILLION
	EN6. Modernize and expand parks, trails and recreation facilities. Invest in quality parks, trails and open spaces that provide inclusive recreation opportunities for people of all backgrounds, abilities and ages to enjoy.	\$30 BILLION
Reduce Climate Emissions	EN7. Expand commute trip reduction programs at major employers. Set a sustainable commute target for major employers as part of an expanded Bay Area Commuter Benefits Program, with employers responsible for funding incentives and disincentives to shift auto commuters to any combination of telecommuting, transit, walking and/or bicycling.	N/A
	EN8. Expand clean vehicle initiatives. Expand investments in clean vehicles, including more fuel-efficient vehicles and electric vehicle subsidies and chargers.	\$5 BILLION
	EN9. Expand transportation demand management initiatives. Expand investments in programs like vanpools, bikeshare, carshare and parking fees to discourage solo driving.	\$1 BILLION

EN2. Provide means-based financial support to retrofit existing homes.

EN2. Provide means-based financial support to retrofit existing homes.



unreinforced chimney

solar chimney smoke

add ADU

energy efficiency

Fire-safe roof & siding

water efficiency

weatherization asbestos/lead?

cripple wall

turf replacement

EV charging

accessibility

auto gas shut-off

sewer lateral

Active ABAG/BayREN efforts to advance integration of building upgrades:

- Completed technical assistance on wildfires and housing.
<https://abag.ca.gov/technical-assistance/wildfires-how-preserve-protect-housing>
- Tracking state policy and rules to enable integrative funding & programs.
 - California Earthquake Authority efforts to increase seismic retrofit funds.
AB 1721 https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=202120220AB1721
 - CARB's AB 32 Draft Scoping Plan to reach 2045 goals.
<https://ww2.arb.ca.gov/our-work/programs/ab-32-climate-change-scoping-plan/2022-scoping-plan-documents>
- Exploring specific links between resilience and sustainability funding sources with affordable housing acquisition and rehab preservation efforts.
- Strategy EN2 and EN3 will be revamped as part of the next Plan Bay Area Update. Likely kicking off discussions in late 2023.

BALANCE

CHAOS



ORDER

