



Energy & Climate Action Plan Briefing County Board of Supervisors

March 12, 2013





Purpose

- Provide an update on the progress on the development of the Energy and Climate Action Plan
- Receive Board direction on the the project description to be studied in environmental review

Project Overview





CEQA Requires Analysis of Greenhouse Gas Emissions



Programmatic Review

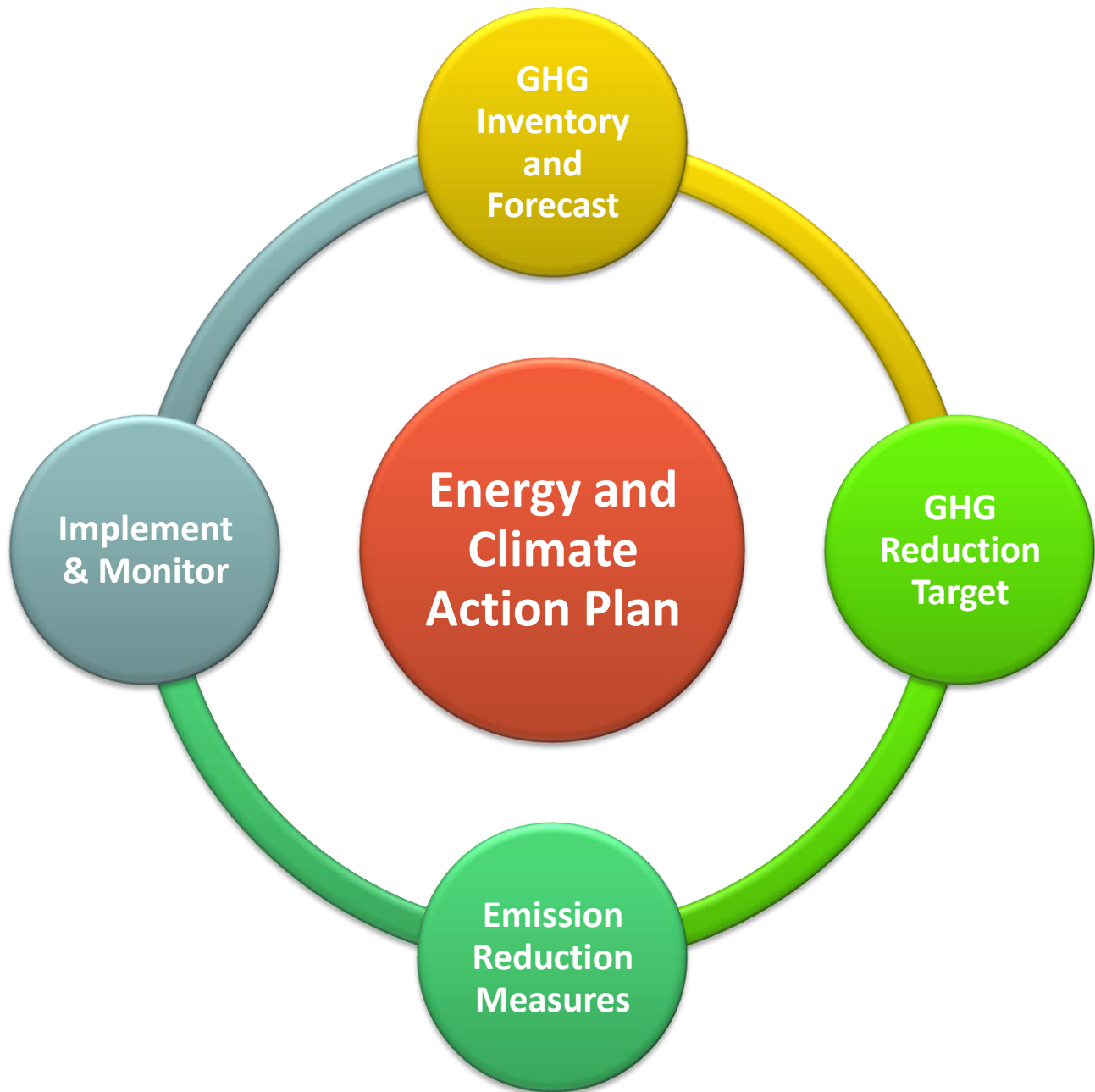
Qualified GHG
Reduction Strategy

ECAP
Target \geq 15%

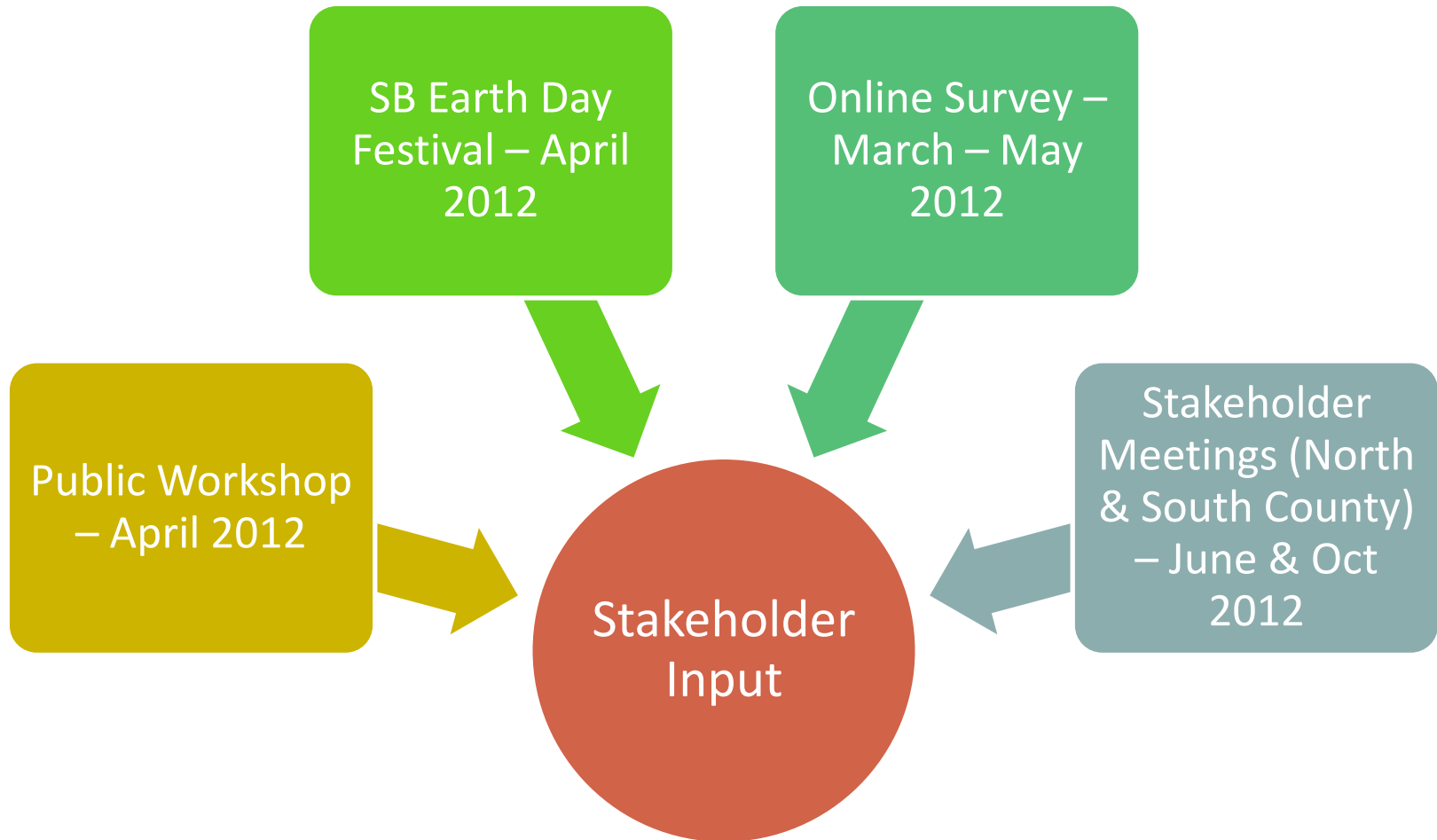
Project by Project
Review

County GHG
Thresholds

Project Specific
Mitigation



Stakeholder Input to Date





Greenhouse Gas Reduction Targets & Implementation Mechanisms

Option 1

- 10% target
- Voluntary Measures
- CEQA Coverage?
No

Voluntary Reductions

- Encourage implementation of reduction measures through incentives and education.



Greenhouse Gas Reduction Targets & Implementation Mechanisms

Option 2

- 15% target
- Voluntary Measures + SCS + CCA
- CEQA Coverage? Unlikely

Sustainable Communities Strategy

- County may take credit for expected reductions from the SCS.
- Requires full implementation of the SCS.

Community Choice Aggregation

- Counties & cities can pool the buying power of customers in a defined boundary to buy electricity.
- Know exactly where your electricity is created – increased alternative energy.
- Local control of electric rates.



Greenhouse Gas Reduction Targets & Implementation Mechanisms

Option 3

- 15% target
- Phased Measures + CCA
- CEQA Coverage? Possible

Phased Measures

- After 2015, evaluate participation and consider requiring
 - Energy audit at time of building permit issuance. (BE 2)
 - Energy efficiency upgrades at time of house sale. (BE 4)
 - Compliance w CALGreen. (BE 8)
 - Energy efficiency upgrades for industrial facilities. (IEE 3)

Community Choice Aggregation

- Counties & cities can pool the buying power of customers in a defined boundary to buy electricity.



Greenhouse Gas Reduction Targets & Implementation Mechanisms

Option 4

- 15% target
- Phased & Required Measures + SCS
- CEQA Coverage?
Yes

Phased & Required Measures

- Phase-in energy efficiency upgrades for industrial facilities. (IEE 3)
- Require energy audits, residential energy efficiency upgrades, and CALGreen compliance. (BE 2) (BE 4) (BE 8)
- Require new residential buildings be renewable energy ready. (RE 1)
- Require new residences to participate in the State's CSI-Thermal rebate program for solar water heaters. (RE 2)

Sustainable Communities Strategy

- County may take credit for expected reductions from the SCS.



Greenhouse Gas Reduction Targets & Implementation Mechanisms

Option 5

- 20% target
- Required Measures + SCS + CCA
- CEQA Coverage?
Yes

Required Measures

- Option 4 reductions (IEE 3) (BE 8) (RE 1) (RE 2)
- Solid waste reduction – net zero waste goal. (WR 1) (WR 2)
- Require all properties to implement retrofits to reduce energy by 30% or verify savings. (BE 2)
- Require energy audit and implementation for all residential properties > 10 years old. (BE 4)

Sustainable Communities Strategy

- County may take credit for expected reductions from the SCS.

Community Choice Aggregation

- Counties & cities can pool the buying power of customers in a defined boundary to buy electricity.

Greenhouse Gas Reduction Targets & Implementation Mechanisms

Option 1	Option 2	Option 3	Option 4	Option 5
<ul style="list-style-type: none"> • 10% target • Voluntary Measures • CEQA Coverage? No 	<ul style="list-style-type: none"> • 15% target • Voluntary Measures + SCS + CCA • CEQA Coverage? Unlikely 	<ul style="list-style-type: none"> • 15% target • Phased Measures + CCA • CEQA Coverage? Possible 	<ul style="list-style-type: none"> • 15% target • Required & Phased Measures + SCS • CEQA Coverage? Likely 	<ul style="list-style-type: none"> • 20+% target • Required Measures + SCS + CCA • CEQA Coverage? Yes



Recommendations

1. Receive a briefing on the Energy and Climate Action Plan, and
2. Accept staff's recommendation to develop the Energy and Climate Action Plan with a target of 15% reduction in greenhouse gas emissions from the baseline level through the development of Option 4 as the project description to be studied in the Environmental Impact Report.





Thank you