

October 11, 2016

Subject: California Five Year Infrastructure Plan

Reporting Period: August - October, 2016

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Recommended Action:

For information only – no action required.

Background:

SGC's Infrastructure Working Group (IWG) was established in 2013 as a body to respond to the mandate in the Council's establishing legislation: "At a minimum, the council shall review and comment on the five-year infrastructure plan". The IWG is made up of senior staff representing the Governor's Office of Planning and Research, and four California state agencies: State Transportation, Natural Resources, Environmental Protection, and Government Operations.

Governor Brown's Executive Order B-30-15 on Climate Mitigation and Adaptation directs state agencies to implement greenhouse gas emissions reduction programs that support a mid-term greenhouse gas emissions reduction target of 40% below 1990 levels by 2030, and; to incorporate climate change into all planning and investment. The Order further directs agencies to account for current and future climate change impacts in every infrastructure project included in the State's Five-Year Infrastructure Plan.

The Strategic Growth Council's Infrastructure Working Group (IWG) was requested by the Governor's Office to partner with the Department of Finance (DOF) in the development of the Five-Year Infrastructure Plan. The objective of this partnership was to convey how each state agency is operationalizing Executive Order B-30-15 when planning for or investing in infrastructure. The IWG has partnered with Governor's Office of Planning and Research's EO B-30-15 Technical Advisory Group (TAG), serving on the TAG and managing its working group on Built Infrastructure, which includes prioritizing natural infrastructure solutions.

Updates:

2017 Five-Year Infrastructure Plan

With support from the Department of Finance (DOF), the Infrastructure Working Group (IWG) is conducting a survey on sustainability and adaption based on the questionnaire discussed in the August 9th staff report on the Five-Year Infrastructure Plan. This survey will be completed by all state departments that are requesting capital outlay funds.

On August 23, 2016 DOF released [Budget Letter 16-26](#) providing information to agencies and departments for submitting capital outlay proposals, five-year infrastructure plans, and deferred

maintenance requests for the 2017-18 budget year. The letter instructs departments to complete the Sustainability and Adaptation Survey if submitting new project requests for standalone buildings (on existing and/or new sites) proposed for funding in 2017-18. If no new project requests for standalone buildings are being proposed for funding in 2017-18, departments may complete the survey for one alternate project (e.g., a renovation project or infrastructure upgrades, etc.) proposed for funding in 2017-18.

Departments can respond to the survey by accessing the online URL or by completing a hard copy of the survey (attached).

Executive Order B-30-15

Statewide Planning and Investment: The IWG is working with agencies and departments to better convey the executive order in state planning documents. Recently, they met with Caltrans and the California Transportation Commission to update information about climate change into the California Transportation Plan Guidelines and the Regional Transportation Guidelines. The IWG will continue to work with agencies and departments that are updating functional and statewide plans to promote consistency in the discussion of how to consider and increase resilience and adaptive capacity in the face of climate change.

Built/Natural Infrastructure Sub-TAG: The Sub-TAG met on August 31st in preparation for the full TAG meeting, which met on September 16th. Understanding that the infrastructure section of the upcoming guidance document will focus on applying the principles of the documents, the Sub-Tag plans to construct the section to include the following information:

- Develop a practical implementation approach that focuses on the “what” rather than the “why”;
- Provide action oriented information: resources, tools, checklists, best practices;
- Feature actionable science (metrics, scenarios, etc.), examples that illustrate how to tackle uncertainty, and checklists to help plan for climate resiliency;
- Develop a decision tree for determining when to consider adaptation that includes a list of key factors, such as criticality and costs, to reflect on;
- Provide recommendations on how to take action that both mitigates carbon emissions and contributes to building resilience to the anticipated impacts of climate change;
- Create understanding about the importance of integrating current efforts and future objectives at the local, regional and state level;
- Develop a matrix for categorizing infrastructure types, risks/exposures and state functions.
- Provide charts to illustrate opportunities (i.e. good, better, best) for including natural infrastructure attributes and benefits for vulnerable populations.
- Include a discussion on Full Life-Cycle Cost Accounting – provide examples of methodologies that state departments are currently using to quantify costs throughout the lifespan of infrastructure systems and the co-benefits achieved in order to evaluate project alternatives.

