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MEETING NOTICE AND AGENDA

ENVIRONMENTAL MITIGATION PROGRAM WORKING GROUP

The Environmental Mitigation Program Working Group may take action on any item appearing on this agenda.

Tuesday, May 10, 2016

1 to 3 p.m.

SANDAG, 7th Floor Conference Room
 401 B Street, Suite 800
 San Diego, CA 92101-4231

Staff Contact: Keith Greer
 (619) 699-7390
 keith.greer@sandag.org

AGENDA HIGHLIGHTS

- **BOARD OF DIRECTORS' ACTION ON REGIONAL FUNDING MEASURE**
- **IMPLEMENTATION OF THE INVASIVE PLANT SPECIES STRATEGIC PLAN**
- **BIOTELEMETRY DATA FOR GOLDEN EAGLES**

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 Mexico



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ENVIRONMENTAL MITIGATION PROGRAM WORKING GROUP

Tuesday, May 10, 2016

ITEM NO.		RECOMMENDATION
1.	WELCOME AND INTRODUCTIONS (Chair, SANDAG First Vice Chair, Terry Sinnott, City of Del Mar Deputy Mayor)	
+2.	APPROVAL OF MEETING MINUTES The Environmental Mitigation Program Working Group (EMPWG) is asked to review and approve the minutes from its January 12, 2016, meetings.	APPROVE Estimated Start Time: 1 to 1:05 p.m.
3.	PUBLIC COMMENTS/COMMUNICATIONS/MEMBER COMMENTS Members of the public shall have the opportunity to address the EMPWG on any issue within the jurisdiction of SANDAG that is not on this agenda. Anyone desiring to speak shall reserve time by completing a "Request to Speak" form and giving it to the EMPWG Coordinator prior to speaking. Public speakers should notify the EMP Coordinator if they have a handout for distribution to Environmental Mitigation Program members. Public speakers are limited to three minutes or less per person. Environmental Mitigation Program members also may provide information and announcements under this agenda item.	COMMENT Estimated Start Time: 1:05 to 1:10 p.m.
4.	REQUEST FOR FORMATION OF AD HOC COMMITTEES FOR FY 2017 FUNDING AND LAND MANAGEMENT GRANT REVIEW (Keith Greer, SANDAG) The EMPWG has previously formed ad hoc committees to develop recommendations for the annual allocation of regional land management and monitoring funding and for the review of land management grants. SANDAG staff would request the formation of an ad hoc committee(s) for development of the FY 2017 funding allocations, and for the review and prioritization of the eighth cycle of Land Management Program grants. The Committees will meet in June and July, respectively, day and time to be determined.	DISCUSSION/ POSSIBLE ACTION Estimated Start Time: 1:10 to 1:25 p.m.
+5.	CHANGE IN ENVIRONMENTAL MITIGATION PROGRAM WORKING GROUP CHARTER (Keith Greer, SANDAG) SANDAG staff has received two requests regarding membership on the EMPWG. The first request comes from the U.S. Forest Service who has requested to join the EMPWG. The second request comes from the California Coastal Conservancy who has indicated their desire to leave the EMPWG due to staffing. Changes to the EMPWG membership requires a change in the Charter, as reflected in the attachment, and approval by the Regional Planning Committee.	RECOMMENDATION Estimated Start Time: 1:25 to 1:35 p.m.
+6.	BOARD OF DIRECTORS' ACTION ON REGIONAL FUNDING MEASURE (Rob Rundle, SANDAG) The SANDAG Board of Directors has discussed a potential regional funding measure over several meetings throughout the year. Mr. Rundle will provide a report on the status of the potential funding measure and the SANDAG Board of Directors' actions.	INFORMATION Estimated Start Time: 1:35 to 2:00 p.m.

- | | | |
|-----|--|--|
| 7. | <p>IMPLEMENTATION OF THE INVASIVE PLANT SPECIES STRATEGIC PLAN (Jason Giessow, Dendra; Ryan Wann, County Agriculture)</p> <p>In September 2012, an Invasive Plant Management Strategy was developed through <i>TransNet</i> EMP funding. After reviewing multiple options, SANDAG entered into a contract with the County of San Diego Agriculture, Weights and Measures, to utilize their network and skills to implement this plan. Mr. Giessow and Mr. Wann will provide a status report on this effort, including the successes and challenges.</p> | <p>INFORMATION</p> <p>Estimated Start Time:
2:00 to 3:00 p.m.</p> |
| +8. | <p>BIOTELEMETRY DATA FOR GOLDEN EAGLES (Dr. Robert Fisher, USGS)</p> <p>Funded in part through <i>TransNet</i> EMP, the United States Geological Survey (USGS) has been collecting data on the golden eagle in coastal southern California since 2014. This work has provided the best available data on the behavior and range of golden eagles. Dr. Robert Fisher will present the interim results of the study, and insights on the eagle behavior and implications for management.</p> | <p>INFORMATION</p> <p>Estimated Start Time:
2:30 to 3:00 p.m.</p> |
| 9. | <p>NEXT MEETING DATE AND ADJOURNMENT</p> <p>Next meeting of the EMPWG is scheduled for Tuesday, July 12, 2016, from 1 to 3 p.m.</p> | <p>INFORMATION</p> <p>Estimated Start Time:
3:00 p.m.</p> |

+ next to an item indicates an attachment

San Diego Association of Governments
ENVIRONMENTAL MITIGATION PROGRAM
WORKING GROUP

May 10, 2016

AGENDA ITEM NO.: **2**

Action Requested: APPROVE

JANUARY 12, 2016, MEETING MINUTES

File Number 3200100

The meeting of the Environmental Mitigation Program Working Group (EMPWG) was called to order by Chair Terry Sinnott (City of Del Mar) at 1:01 p.m.

1. WELCOME AND INTRODUCTIONS

Attendance sheet is attached.

2. 2A. APPROVAL OF JULY 14, 2015, MEETING MINUTES (APPROVE)

Action: James Whalen (Alliance for Habitat Conservation) motioned to approve the meeting minutes for July 14, 2015, and Susan Wynn (U.S. Fish and Wildlife Service) seconded the motion. The motion carried without opposition.

Yes - Terry Sinnot (City of Del Mar), Michael Beck (Endangered Habitats League), Robert Fisher (USGS), Anne Harvey (San Diego Conservation Network), James Whalen (Alliance for Habitat Conservation), Susan Wynn (U.S. Fish and Wildlife Service), Bridget Strickland (The San Diego Foundation), Teri Muzik (Wildlife Conservation Board), Christina Rios (City of Santee), Jeanne Krosch (City of San Diego), Joann Cardellino (California Coastal Conservancy), Kim Smith (Caltrans), Cheryl Goddard (City of Chula Vista). No - None. Abstain - Gail Sevrens (Department of Fish and Wildlife), LeAnn Carmichael (County of San Diego). Absent - Building Industry Association, U.S. Army Corps of Engineers, City of Carlsbad, The Nature Conservancy. Vacant - City of Escondido, City of Poway.

2B. APPROVAL OF SEPTEMBER 8, 2015, MEETING MINUTES (APPROVE)

James Whalen (Alliance for Habitat Conservation) identified a typographical error in Item No. 8 of the meeting minutes for September 8, 2015.

Action: With the error corrected, Bridget Strickland (The San Diego Foundation) motioned to approve the meeting minutes for September 8, 2015, and James Whalen (Alliance for Habitat Conservation) seconded the motion. The motion carried without opposition.

Yes - Terry Sinnot (City of Del Mar), Michael Beck (Endangered Habitats League), Robert Fisher (USGS), Anne Harvey (San Diego Conservation Network), James Whalen (Alliance for Habitat Conservation), Susan Wynn (U.S. Fish and Wildlife Service), Bridget Strickland (The San Diego

Foundation), Christina Rios (City of Santee), Jeanne Krosch (City of San Diego), Kim Smith (Caltrans), Cheryl Goddard (City of Chula Vista), LeAnn Carmichael (County of San Diego). No - None. Abstain - Gail Sevrens (Department of Fish and Wildlife), Joann Cardellino (California Coastal Conservancy), Teri Muzik (Wildlife Conservation Board). Absent – Building Industry Association, U.S. Army Corps of Engineers, City of Carlsbad, The Nature Conservancy. Vacant - City of Escondido, City of Poway.

3. PUBLIC COMMENTS AND COMMUNICATION (COMMENT)

Mr. Ben Stone (San Diego Mountain Biking Association) introduced himself and commented that the Mountain Bikers Association is one of the larger user groups in San Diego and he hoped to become more involved with any public outreach efforts geared toward the preservation of open land space in the region.

REPORTS

4. FORMATION OF NATIONAL HABITAT CONSERVATION PLANNING COALITION (INFORMATION)

James Whalen (Alliance for Habitat Conservation) informed working group members of previous efforts to acquire federal funding for the acquisition of open-space habitat throughout the region and the success of those efforts. It was suggested that other municipalities would also benefit from these funding sources and similar land preservation programs. In November 2015, the National Habitat Conservation Planning Coalition (HCP) was formed with the mission to *“further the use, effectiveness of, and support for large scale HCP’s as local solutions to facilitate economic development and the conservation of threatened and endangered species.”* The Coalition will serve to plan and implement HCP’s at the national level. Four volunteer committees have been established and have begun working towards this goal. There will also be paid staff pending grant funding, however, membership fees will not be used to pay staff wages. Mr. Whalen explained that attendees at the November 2015 founding meeting have planned a second meeting in late 2016 that will include discussions with national policy leaders, the integration of 404 permitting into HCP planning, informative presentations of current HCP’s, the fourth revision of the HCP handbook, and finally, the future activities, structure, and function of the National Habitat Conservation Planning Coalition. Mr. Whalen encouraged members to contact him if they should have any further questions on the topic. Chair Terry Sinnott (City of Del Mar) thanked Mr. Whalen for the update.

There were no questions or comments on the topic from the working group members.

5. FY 2016 LAND MANAGEMENT GRANTS: AD HOC COMMITTEE’S RECOMMENDATIONS (RECOMMEND)

Chair Sinnott introduced Sarah Pierce (SANDAG) and Susan Wynn (U.S. Fish and Wildlife Service) to present the recommendations of the FY 2016 Land Management Grants ad hoc committee. Ms. Pierce provided background on the seven previous Land Management Grant cycles and informed working group members of the eligibility and evaluation criteria for FY 2016. A total of \$1.8 million is available for the eighth cycle of the Land Management Grant funding and the ad hoc committee recommends that the funding be split into two separate categories. The first portion of the funding should be allocated to fill funding gaps and to assist land managers with short-term stewardship activities. The second portion should be allocated to longer-term, larger-scale habitat

restoration and enhancement projects. An overview and instructions for the eighth cycle of Land Management Grants can be found within the agenda materials for this meeting.

Ms. Pierce explained that the ad hoc committee recommends that \$800,000 be allocated to the threat reduction and short-term stewardship portion, with the purpose of providing land managers one-time funding to fill existing funding gaps for stewardship tasks focused on threat reduction for Management Strategic Plan (MSP) species. Successful applicants in this funding category can be awarded a maximum of \$50,000. It is recommended that the remaining \$1,000,000 be apportioned to the second funding category which will focus on larger habitat restoration and enhancement projects for MSP priority species and their habitats. There was no funding cap being recommended to provide the maximum flexibility for applicants. Applicants should phase their projects in the event that full funding for the project is unavailable. Each of the two funding categories will have a separate application and a portion of the evaluation criteria for each category will be specific to those projects. Applications and evaluation criteria can be found in the agenda materials for this meeting.

An outline of the next steps in the grant funding process was given by Ms. Pierce. Members of the working group discussed the recommendations of the ad hoc committee and some of the differences between the eighth cycle of Land Management Grants and previous cycles. Members were also provided an opportunity to ask questions or provide comments on the item.

The EMPWG was asked to recommend that the Regional Planning Committee recommend that the Board of Directors approve the call for projects for the eighth cycle of EMP Land Management Grants.

Action: James Whalen (Alliance for Habitat Conservation) motioned to approve the recommendation and Gail Sevrens (Department of Fish and Wildlife) seconded the motion. The motion passed unanimously.

Yes - Terry Sinnot (City of Del Mar), Michael Beck (Endangered Habitats League), Robert Fisher (USGS), Anne Harvey (San Diego Conservation Network), James Whalen (Alliance for Habitat Conservation), Susan Wynn (U.S. Fish and Wildlife Service), Bridget Strickland (The San Diego Foundation), Christina Rios (City of Santee), Jeanne Krosch (City of San Diego), Kim Smith (Caltrans), Cheryl Goddard (City of Chula Vista), LeAnn Carmichael (County of San Diego), Gail Sevrens (Department of Fish and Wildlife), Joann Cardellino (California Coastal Conservancy), Teri Muzik (Wildlife Conservation Board). No - None. Abstain - None. Absent - Building Industry Association, U.S. Army Corps of Engineers, City of Carlsbad, The Nature Conservancy. Vacant - City of Escondido, City of Poway.

6. MANAGEMENT STRATEGIC PLAN UPDATE: WHERE ARE WE? (INFORMATION)

Chair Sinnott introduced the item and Keith Greer (SANDAG) introduced Yvonne Moore (San Diego Monitoring and Management Program [SDMMP]) to present on the topic. Ms. Moore began by informing members of strategic plan documents that have been completed to date and of those that are currently being worked on. The document will be organized into three volumes, retaining the formatting of previously completed strategic plans, and will be available for viewing and use online at SDMMP's new website.

Ms. Moore demonstrated how to navigate the new interactive website, and how to retrieve some of the information that may be useful to users using the Management Strategic Plan (MSP) Portal. She also mentioned that the interactive website is database driven allowing any change that is made in the database to be reflected in the website in real-time. This allows documents such as the goals and objectives listed for a species to be a living document that can change as new information is made available. Ms. Moore asked that users provide feedback, suggestions for improvements, and to notify SDMMMP of any inaccuracies found on the site as they are using the tool.

Members of the working group discussed some of the benefits this tool provides, such as the tracking of grants and projects that have been funded in the region, as well as how to utilize the tool moving forward. Ms. Moore concluded the presentation with a projected timeline for when the website will be available for public use and an expected timeframe for final completion of the MSP update. Ms. Moore fielded final questions and comments and was thanked by Chair Sinnott for her update.

Following the completion of Ms. Moore's presentation, Robert Fisher (United States Geological Survey) presented EMPWG members with a video documenting flight and movement patterns of golden eagles in southeast San Diego. More information on golden eagles will be provided at the next EMPWG meeting.

7. KUROSHIO SHOT HOLE BORER: REGIONAL IMPLICATIONS (INFORMATION/DISCUSSION)

Chair Sinnott introduced Dr. John Kabashima (University of California Cooperative) to talk about the polyphagous shot hole borer (PSHB) and the kuroshio shot hole borer (KSHB), a new insect-disease complex in Southern California. Dr. Kabashima provided a brief background on the pest species including a listing of reproductive host tree species the beetle infests as well as current distributions of PSHB and KSHB. Knowledge gaps exist regarding the movement of the species; however, it is likely facilitated by human activities such as firewood and green waste movement. The life cycle, behavior, and mating strategy of the species also make it extremely difficult to control, making management less clear and increasing the risk of the insect-disease complex impacting native and agricultural resources.

Dr. Kabashima then proceeded to discuss some of these potential impacts both in terms of financial costs to manage infestations and the ecological costs, such as the loss of ecosystem services and habitat structure needed to support other species. The borer was compared to previous pest species such as the goldspotted oak borer, which has devastated oak forests in the region. Dr. Kabashima suggested that action plans to try and control PSHB and KSHB should be prepared similar to what was done for previous pest species. Early identification of the beetle is required in order to limit its spread. This is difficult due to the species' morphological similarities to the tea shot hole borer and the difficulties in positively identifying infested trees. In Orange County it is likely too late for eradication; however, it may still be possible in San Diego County. Region wide surveys would be needed to determine the current distribution of KSHB and to evaluate if the further spread of the species can be prevented. Moving forward, other actions that need to occur include developing procedures for reporting new infestations, restricting movement of infested materials, identifying the agencies and stakeholders involved and the development and implementation of a management plan. Current best management practices include wood chipping and insecticide treatments in low density infestation areas. Further research on this topic is currently being done.

Dr. Kabashima concluded his presentation and answered questions from the audience. Chair Sinnott thanked Dr. Kabashima for the presentation.

8. NEXT MEETING DATE AND ADJOURNMENT (INFORMATION)

The next meeting of the EMPWG is scheduled for Tuesday, March 8, 2016, from 1 to 3 p.m.
[Subsequently canceled]

The meeting was adjourned at 2:57 p.m., by Chair Sinnott.

ENVIRONMENTAL MITIGATION PROGRAM WORKING GROUP
 MEETING ATTENDANCE FOR JANUARY 12, 2016

REPRESENTATION	JURISDICTION/ORGANIZATION	NAME	MEMBER/ALTERNATE	ATTENDING
Environmental Mitigation Program Working Group Chair	Councilmember, City of Del Mar	Hon. Terry Sinnott	Chair	YES
South County Subregion	City of Chula Vista	Cheryl Goddard	Member	YES
	Vacant	Vacant	Alternate	N/A
North County Coastal Subregion	City of Carlsbad	Mike Grim	Vice Chair/ Member	NO
	City of Oceanside	Vacant	Alternate	N/A
North County Inland Subregion	City of Escondido	Barbara Redlitz	Member	NO
	City of Poway	Richard Whipple	Member	NO
East County Subregion	City of Santee	Christina Rios	Member	NO
		Melanie Kush	Alternate	NO
City of San Diego Subregion	City of San Diego	Christina Rios	Member	YES
		Kristen Forburger	Alternate	NO
County of San Diego Subregion	County of San Diego	LeAnn Carmichael	Member	YES
		Vacant	Alternate	N/A
Other Public Agencies	Army Corps of Engineers	Richard Van Sant	Member	NO
		Vacant	Alternate	N/A
	California Coastal Conservancy	Joan Cardellino	Member	YES
		Megan Cooper	Alternate	NO
	Caltrans	Bruce April	Member	NO
		Kim Smith	Alternate	YES
	Department of Fish and Wildlife	David Mayer	Member	NO
		Gail Sevens	Alternate	YES
	U.S. Fish and Wildlife Service	Susan Wynn	Member	YES
		David Zoutendyk	Alternate	NO
	USGS	Robert Fisher	Member	YES
		Carlton Rochester	Alternate	NO
	Wildlife Conservation Board	John P. Donnelly	Member	NO
		Teri Muzik	Alternate	YES

Non-Profits	Endangered Habitats League	Michael Beck	Member	YES
		Scott Grimes	Alternate	NO
	San Diego Conservation Network	Anne Harvey	Member	YES
		Vacant	Alternate	NO
	The Nature Conservancy	Trish Smith	Member	NO
		Vacant	Alternate	N/A
	The San Diego Foundation	Bridget Strickland	Member	YES
		Nicola Hedge	Alternate	NO
	Alliance for Habitat Conservation	James Whalen	Member	YES
		Nick Doenges	Alternate	NO
Business	Building Industry Association	Matt Adams	Member	NO
		Vacant	Alternate	N/A



WORKING GROUP CHARTER

Environmental Mitigation Program Working Group

PURPOSE

The Environmental Mitigation Program Working Group (EMPWG) advises the Regional Planning Committee (RPC) and the SANDAG Board on issues related to the coordination and implementation of the Environmental Mitigation Program (EMP), a component of the TransNet program approved by the voters in November 2004.

LINE OF REPORTING

The EMPWG reports to the RPC, which reports directly to the SANDAG Board of Directors.

RESPONSIBILITIES

The EMPWG provides advice on the implementation of the Environmental Mitigation Program. In particular, the EMPWG is responsible for making recommendations on allocation of the Regional Habitat Conservation Fund (RHCF) of the EMP. In this regard, the EMPWG will participate in the preparation of a "needs assessment" that will identify the short-term and long-term activities necessary to implement the Multiple Species Conservation Program (MSCP) and Multiple Habitat Conservation Program (MHCP), such as biological monitoring, land management coordination, and supplemental land acquisitions. The EMPWG also will help to identify organizations to perform the monitoring, management, and acquisition activities identified in the needs assessment. Based on this analysis, the EMPWG will develop criteria and recommend priorities for allocation of RHCF funds. The EMPWG will provide input into the development of the Transportation Project Mitigation Fund program and procedures. In addition, the EMPWG will assist with the development of a regional funding measure (a ballot measure and/or other secure funding commitments) to meet the long-term requirements for implementing habitat conservation plans in the San Diego region.

MEMBERSHIP

An elected official appointed by the Regional Planning Committee will serve as chair of the EMPWG. The members of the EMPWG will include:

- Staff representatives from the City of San Diego, County of San Diego, and the four SANDAG subregions (North County Coastal, North County Inland, East County, and South County),
- Staff representatives of federal and state agencies that are directly involved in environmental permitting of transportation projects and implementation of the MSCP and MHCP (U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, California Department of Fish and Game, California Wildlife Conservation Board, and Caltrans), and

- Staff representatives of the following organizations, representing disciplines and interests involved in the implementation of the EMP:
 - The Nature Conservancy (Land Acquisition)
 - Conservation Resource Network (Land Management)
 - U.S. Geological Survey (Science & Technology)
 - Endangered Habitats League (Environmental Policy)
 - Building Industry Association (Business)
 - San Diego Foundation (Land Acquisition)
 - ~~○ California Coastal Conservancy (Land Acquisition and Management)~~
 - Alliance for Habitat Conservation (Business)
 - U.S. Department of Agriculture Forest Service (Land Management)

If the organization can no longer serve, the RPC will appoint a replacement that can represent the specific discipline. In addition, the RPC can place additional members on the EMPWG by amending this charter.

MEETING TIME AND LOCATION

Meeting times and locations will be determined by the EMPWG.

SELECTION OF THE CHAIR

The Chair of the EMPWG will be selected by the Regional Planning Committee. The Vice Chair will be selected by the EMPWG from among its members.

DURATION OF EXISTENCE

The EMPWG will continue throughout the duration of the implementation of the TransNet Environmental Mitigation Program.

File Code: 2670
Date: December 7, 2015

The Honorable Jack Dale
Chairman
San Diego Association of Governments
Suite 800
401 B Street
San Diego, CA 92101-4231

Dear Mr. Dale,

The Cleveland National Forest (Forest) is requesting that SANDAG add the Forest as a member of the Environmental Mitigation Program Working Group committee (EMPWG). The Cleveland National Forest manages more than 300,000 acres in San Diego County and contributes to conservation for many species listed in local Habitat Conservation Plans. Many of the Multi-Species Conservation Plan and Multi-Species Habitat Conservation Plan projects and programs funded or implemented by the EMPWG occur on National Forest System lands. Having a Forest representative present as part of the group would facilitate planning of these activities.

Thank you for considering this request. If you have any questions, please contact Kirsten Winter, Forest Biologist, at (858) 674-2956 or at kwinter@fs.fed.us

Sincerely,

s/William Metz

WILLIAM METZ
Forest Supervisor

Cc: Gary Gallegos, Executive Director, SANDAG



March 2, 2016

Gary Gallegos, Executive Director
SANDAG
410 B Street, Suite 9
San Diego, CA 92101

Re: Transnet Environmental Mitigation Program Working Group

Dear Gary;

For the past approximately ten years, Conservancy staff has been attending the bi-monthly meetings of the TransNet EMP Working Group. The Conservancy is named as a participant in the Charter establishing the Working Group. As things have evolved over the years, there appears to be less of a role for the Conservancy in the deliberations of the group, as the focus is primarily on inland, not coastal, habitats. I no longer feel that it is worth staff time to attend these meetings, and respectfully request that we be removed from the roster.

Thank you for your consideration, and we remain interested and available for collaboration on projects of mutual interest with SANDAG.

Sincerely,

Sam Schuchat
Executive Officer

1330 Broadway, 13th Floor
Oakland, California 94612-2512
510-286-1015 Fax: 510-286-0470



AGENDA ITEM NO. 16-04-2

**BOARD OF DIRECTORS
APRIL 29, 2016**

ACTION REQUESTED - APPROVE

**POTENTIAL FUNDING MEASURE: PREPARATION FOR
NOVEMBER 2016 BALLOT**

File Number 3200000

Introduction

Over the past several months, the Board of Directors has been discussing the possibility of placing a funding measure on the November 2016 ballot. The Board has been soliciting public input and providing feedback on what should be included in a potential Expenditure Plan and has provided direction on what could be included in an ordinance to implement the Expenditure Plan.

Discussion

When the *TransNet* Extension Ordinance passed in 2004, it included a provision that requires the Board of Directors to, "act on additional regional funding measures (a ballot measure or other secure funding commitments) to meet the long-term requirements for implementing habitat conservation plans in the San Diego region, within the timeframe necessary to allow a ballot measure to be considered by the voters no later than four years after passage of the *TransNet* Extension." Due to economic and other factors, the Board has amended the *TransNet* Ordinance three times (May 23, 2008; November 20, 2009; and March 23, 2012) to extend the deadline for meeting this obligation. Currently, the *TransNet* Ordinance deadline for meeting this provision is November 2016.

Over the years, the Board of Directors has discussed a potential funding measure at its annual retreats, considered public and stakeholder input regarding potential investments in regional infrastructure, and conducted public opinion research to determine the likely success of a potential measure.

In 2015, two public information surveys were conducted to gauge potential voter sentiment for a potential funding measure. While the results significantly improved from a survey conducted in 2011, support still fell short of the two-thirds approval threshold necessary to pass.

Draft Expenditure Plans

In February 2016 the Board was presented with two alternative draft expenditure plans that took different approaches to infrastructure investments in the region. Option A invested 60 percent of the funding to specific regional projects and programs, and allocated 40 percent of the funding to

Recommendation

The Board of Directors is asked to: 1) approve the development of a funding measure to be placed on the November 2016 ballot; and 2) direct staff to prepare an Expenditure Plan, the Ordinance implementing the Expenditure Plan, ballot language, and all other necessary documentation for review and approval by the Board of Directors.

local jurisdictions to spend on their project priorities (within SANDAG legislative authority for how tax revenues can be spent). Option B allocated 100 percent of the funding to specific projects and programs throughout the region. While a greater number of projects important to local jurisdictions were included in Option B, it did not leave any funding for local jurisdiction discretion. Based on input from the Board of Directors, it was recommended that a hybrid of the two options be presented at the Board's annual retreat.

At the Board Retreat in March, staff presented a Hybrid Alternative Expenditure Plan that allocated approximately 79 percent of the funding to regional projects and programs and 21 percent to local agencies for their priority projects. The Board members received public input and discussed aspects of the Hybrid Alternative that they liked and other aspects they wanted changed. On March 25, 2016, staff incorporated modifications based on the issues that were raised and presented a Refined Hybrid Alternative Expenditure Plan. This version of the Expenditure Plan increased local funding to 30 percent and distributed the remainder to specific regional projects and programs. A subsequent public information survey was conducted.

At its April 8, 2016, meeting, the Board of Directors heard the results of the public information survey that was conducted to gauge public interest in a potential funding measure and test certain components included in the Refined Hybrid Alternative. The survey results indicated that support for a potential funding measure met the two-thirds voter threshold.

Issues Discussed by Board of Directors

At its April 22, 2016, meeting, the Board discussed further refinements to the Expenditure Plan (Attachment 1) and began discussing certain provisions of a draft ordinance that would implement the Expenditure Plan (Attachment 2). The Board of Directors raised several items for consideration that are noted below.

Transit Funding

The North County Transit District (NCTD) and some Board members reiterated support for allocating the regional transit capital funding based on a 70/30 split (70 percent allocated to the Metropolitan Transit System [MTS] and 30 percent to NCTD). MTS does not support that formula. It was stated that North County was not receiving an equitable share of overall transit funding from the proposed regional measure. It should be noted that the funding distribution in the draft Expenditure Plan is based on priorities (transit and Managed Lanes/highways) identified by the public, the Board of Directors, and the transit operators for each area of the region. There is no shortfall for North County when expenditures in all of the program areas are taken into account.

North Coast Corridor Investments

Board members discussed the timing of building two additional Managed Lanes on Interstate 5 (I-5). Some supported assessing the need for an additional two lanes after rail improvements and the first two Managed Lanes are implemented while others favored moving forward with the additional lanes as soon as possible.

Infrastructure improvements in the North Coast Corridor are subject to Senate Bill 468 (SB 468) (2011, Kehoe) and the North Coast Corridor Public Works Plan (PWP), which was approved unanimously by the California Coastal Commission in 2014. Pursuant to SB 468, the PWP outlines how and when transportation improvements can be implemented in the corridor and ensures that

highway improvements do not advance until certain rail, active transportation, and environmental improvements have been completed. The I-5 Managed Lanes project included in the Priority Corridors Program meets the requirements of SB 468 and reflects the phasing that was approved as part of the PWP. The additional Managed Lanes would be constructed after the first two High Occupancy Vehicle lanes are extended (Manchester to State Route 78), which would occur no earlier than 2020, in accordance with the PWP

State Route 94

It was requested that the State Route 94 (SR 94) project be re-characterized in the Expenditure Plan to reflect that the eventual improvements are still contingent upon environmental review and future decisions. As part of the draft Ordinance language to be presented at the May 13, 2016, Board meeting, text will be included that clarifies the process for decisions on future improvements in that corridor. In addition, the SR 94 project is proposed to be identified as "State Route 94 Corridor Improvements" to more accurately represent the deliberative nature of its development.

Rail-Grade Separation Program

The Board of Directors reiterated the importance of rail-grade separation projects, which have a proposed funding allocation of 5 percent (\$900 million) in the draft Expenditure Plan. It was suggested that match requirements be reduced and pedestrian grade separation projects be made eligible for funding under this category as well. Funding in the draft Expenditure Plan would pay for approximately 50 percent of the total cost of all grade separation projects outlined in San Diego Forward: The Regional Plan. Reducing the match requirement would further constrain available funding.

Because pedestrian grade separation projects may not compete as well against projects that separate multiple modes from rail, staff suggests that pedestrian grade separation projects be made eligible under the Active Transportation funding category (3 percent of the draft Expenditure Plan) as part of the Ordinance language to be considered at the next Board of Directors meeting.

Priority Corridors Program

The Board of Directors commented on the Del Mar Fairgrounds Station and double tracking at San Dieguito Bridge. As shown in Attachment 2, this project now is identified within the Priority Corridors Program.

Finally, the Board requested to see what the funding levels for the Local Infrastructure Fund would be if the Rail Grade Separation and Traffic Signal Synchronization Program funding were eliminated (increasing the formula share of Local Infrastructure from 24 percent to 30 percent of the measure). This information can be found in Attachment 3.

Next Steps

Pending action by the Board to move forward with the development of a funding measure, staff would return to the Board of Directors over the next two months to discuss and seek direction on the following:

- May 13 Board Policy Meeting – Discuss draft ballot and Ordinance language implementing the Expenditure Plan

- May 27 Board Business Meeting – Present final ballot and Ordinance language for action by the Board
- June 10 Board Policy Meeting – First reading of Ordinance
- June 24 Board Business Meeting – Second reading/Present Ordinance and supporting documentation for adoption by the Board

After the Ordinance is adopted by the Board, staff would submit all necessary materials to the County Board of Supervisors for inclusion on the November 2016 ballot.

GARY L. GALLEGOS
Executive Director

Attachments: 1. Potential Funding Measure Expenditure Plan
 2. Key Provisions of Draft Ordinance implementing the Expenditure Plan
 3. Estimate of Increased Local Share for Funding Measure

Key Staff Contact: Rob Rundle, (619) 699-6949; rob.rundle@sandag.org

Potential Funding Measure Expenditure Plan

	Amount (Millions of 2015\$)	Percent
<hr/>		
Total Revenues Available	\$18,194	
Off the top:		
Administration	\$182	1%
Independent Oversight	\$10	Fixed
<hr/>		
Subtotal	\$192	
Net Revenues	\$18,002	
Distribution of Net Revenues		
<hr/>		
Active Transportation	\$540	3%
Open Space	\$2,000	11.1%
Highways and GP Connectors	\$615	3.4%
Managed Lanes, HOV Lanes and HOV Connectors	\$1,940	10.8%
Transit Capital and Operations	\$7,507	41.7%
- Transit Capital Projects (\$4,785), (26.6%)		
- Transit Operations (\$2,182), (12.1%)		
- Specialized Transit Grants (\$540), (3%)		
Local Infrastructure	\$5,400	30%
- Formula Funds (\$4,322), (24%)		
- Arterial Traffic Signal Synchronization (\$178), (1%)		
- Rail / Local Road Grade Separation Grant Program (\$900), (5%)		
<hr/>		
Total	\$18,002	100%

New or Expanded Transit - Capital

Route	Description	<i>TransNet</i> II Plan of Finance				
		RTP Cost (2014 \$millions)	Cost (2015 \$millions)	Capacity (2015 \$millions)	Net Need (2015 \$millions)	Proposed (2015 \$millions)
Purple Line Phase 1	San Ysidro to Kearny Mesa	\$2,800	\$4,400	\$0	\$4,400	\$4,400
<i>Rapid 2</i>	North Park to Downtown	\$20	\$20	\$0	\$20	\$20
<i>Rapid 10</i>	La Mesa to Ocean Beach	\$87	\$89	\$0	\$89	\$89
<i>Rapid 11</i>	Spring Valley to SDSU via Downtown	\$65	\$66	\$0	\$66	\$66
<i>Rapid 28</i>	Pt Loma to Kearny Mesa via Old Town	\$12	\$12	\$0	\$12	\$12
<i>Rapid 30</i>	Old Town to Sorrento Mesa via Beaches	\$53	\$54	\$0	\$54	\$54
<i>Rapid 41</i>	Fashion Valley to UTC via Linda Vista	\$55	\$56	\$0	\$56	\$56
<i>Rapid 90</i>	SR 94 Corridor Express Service: El Cajon Transit Ctr to SD Airport via Downtown	\$20	\$20	\$0	\$20	\$20
<i>Rapid 120</i>	Downtown to Kearny Mesa	\$78	\$80	\$0	\$80	\$80
<i>Rapid 550</i>	SDSU to Palomar Station via Southeast	\$59	\$60	\$0	\$60	\$60
<i>Rapid 635</i>	Eastlake to Palomar Trolley	\$56	\$57	\$0	\$57	\$57
<i>Rapid 638</i>	Iris Trolley to Otay Mesa	\$10	\$10	\$0	\$10	\$10
<i>Rapid 640A/B</i>	South I-5 Corridor Rapid Express Services: San Ysidro to Old Town via Downtown San Diego/Iris to Kearny Mesa via Downtown San Diego	\$93	\$95	\$0	\$95	\$95
<i>Rapid 870/890</i>	SR 52 Corridor Rapid Express Services: El Cajon/Santee to Kearny Mesa and UTC/Sorrento Mesa	\$19	\$19	\$0	\$19	\$19
First/Last Mile Transit Connections	Mobility Hubs, transportation network connections	\$1,279	\$1,305	\$0	\$1,305	\$180
SR 94 Centerline Station	Transit station near 27th Street	\$50	\$51	\$0	\$51	\$51
Sorrento Valley Station	Relocation and Grade separation	\$242	\$247	\$0	\$247	\$247
Airport ITC	Intermodal connections to airport	\$337	\$343	\$0	\$343	\$343
San Ysidro ITC	Phases 1 and 2	\$118	\$120	\$0	\$120	\$120
Technology Enhancements	Transit priority measures, fare and customer service system upgrades	\$118	\$120	\$0	\$120	\$120
LOSSAN - Double Tracking	Various locations	\$318	\$324	\$0	\$324	\$324
COASTER - Stations	Camp Pendleton, Fairgrounds (incl. San Dieguito River Bridge Double Track)	\$207	\$211	\$0	\$211	\$211
COASTER	State of Good Repair improvements, including Del Mar Bluffs stabilization and bridge replacement	\$79	\$81	\$0	\$81	\$81
COASTER	Quiet Zones	\$60	\$60	\$0	\$60	\$60
COASTER & SPRINTER	Vehicle Replacement to support COASTER, SPRINTER and Feeder Bus Service	\$133	\$136	\$0	\$136	\$136
Regional Transit Station Parking	Expanded transit station parking	\$120	\$120	\$0	\$120	\$120
Regional Vehicle Replacement	Replacement of rail vehicles	\$294	\$300	\$0	\$300	\$300
Regional Vehicle Replacement	New BRT and bus vehicle replacement	\$100	\$100	\$0	\$100	\$100
Regional Enhanced Bus Services	Expansion of bus maintenance facilities	\$100	\$100	\$0	\$100	\$100
		\$6,980	\$8,656	\$0	\$8,656	\$7,531
				Matching Funds		\$3,725
				Total Sales Tax Needed		\$3,807
				Financing Cost Attributable to Transit		\$978
				Total Capital + Financing Costs		\$9,634
						\$4,785

New or Expanded Transit - Operations

		Annual Operating Cost (2015 \$millions)	Annual Fare Recovery (2015 \$millions)	Annual Subsidy (2015 \$millions)	Proposed (2015 \$millions)*
New Transit Services - Operations					
Purple Line Phase 1	San Ysidro to Kearny Mesa	\$21.2	\$7.4	\$13.8	\$304.2
<i>Rapid 2</i>	North Park to Downtown	\$0.7	\$0.2	\$0.5	\$10
<i>Rapid 10</i>	La Mesa to Ocean Beach	\$4.5	\$1.6	\$2.9	\$64.3
<i>Rapid 11</i>	Spring Valley to SDSU via Downtown	\$3.6	\$1.3	\$2.3	\$51.5
<i>Rapid 28</i>	Pt Loma to Kearny Mesa via Old Town	\$1.3	\$0.5	\$0.8	\$18.6
<i>Rapid 30</i>	Old Town to Sorrento Mesa via Beaches	\$3.6	\$1.3	\$2.3	\$51.5
<i>Rapid 41</i>	Fashion Valley to UTC via Linda Vista	\$3.3	\$1.2	\$2.1	\$47.2
<i>Rapid 90</i>	SR 94 Corridor Express Service: El Cajon Transit Ctr to SD Airport via Downtown	\$0.6	\$0.2	\$0.4	\$8.6
<i>Rapid 120</i>	Downtown to Kearny Mesa	\$5.1	\$1.8	\$3.3	\$72.9
<i>Rapid 550</i>	SDSU to Palomar Station via Southeast	\$5.3	\$1.9	\$3.4	\$75.8
<i>Rapid 635</i>	Eastlake to Palomar Trolley	\$3	\$1.1	\$2.0	\$42.9
<i>Rapid 638</i>	Iris Trolley to Otay Mesa	\$2.3	\$0.8	\$1.5	\$32.9
<i>Rapid 640A/B</i>	South I-5 Corridor Rapid Express Services: San Ysidro to Old Town via Downtown San Diego/Iris to Kearny Mesa via Downtown San Diego	\$2.1	\$0.7	\$1.4	\$30
<i>Rapid 870/890</i>	SR 52 Corridor Rapid Express Services: El Cajon/Santee to Kearny Mesa and UTC/Sorrento Mesa	\$2.4	\$0.8	\$1.6	\$18.7
First/Last Mile Transit Connections	Mobility Hubs, transportation network connections	\$3.9	\$1.4	\$2.5	\$55.8
Advanced Transit Services	Funding to advance transit operations				\$500
Total New Transit Services - Operations		\$62.9	\$22	\$40.9	\$1,384.8
Expanded Transit Operations					
Local Bus Services	Enhanced Bus Services	\$20	\$7	\$13	\$350
COASTER and SPRINTER	Enhanced Rail Services	\$4	\$1.4	\$2.6	\$97.5
Blue and Orange Lines	Increased Frequencies	\$23.3	\$8.2	\$15.1	\$350
Total Expanded Transit Operations		\$47.3	\$16.6	\$30.7	\$797.5

*Assumed start dates are approximate and will depend on Board prioritization and ability to secure matching funds to implement advanced capital projects

Managed Lanes, HOV Lanes, and HOV Connectors

Route	Description	<i>TransNet</i> II Plan of Finance			Net Need (2015 \$millions)	Proposed (2015 \$millions)
		RTP Cost (2014 \$millions)	Cost (2015 \$millions)	Capacity (2015 \$millions)		
Managed Lanes and HOV Lanes						
I-5	8F to 8F+2ML, SR 905 to SR 54	\$308	\$314	\$169	\$145	\$145
I-5	8F to 10F+2ML, SR 54 to SR 15	\$343	\$350	\$177	\$173	\$173
I-5	8F+2ML to 8F+4ML, SR 56 to SR 78	\$1,531	\$1,562	\$713	\$849	\$849
SR 52	2ML from SR 125 to I-805	\$389	\$397	\$71	\$326	\$326
SR 78	2HOV from I-5 to I-15	\$1,192	\$1,216	\$566	\$650	\$650
SR 94	2HOV from I-5 to I-805 Corridor Improvements	\$485	\$500	\$353	\$147	\$147
		\$4,248	\$4,338	\$2,049	\$2,289	\$2,289
Connectors - HOV						
I-5/SR 78 HOV Connectors		\$253	\$258	\$0	\$258	\$258
I-15/SR 78 HOV Connectors	S to E, W to N, N to E, W to S	\$106	\$108	\$71	\$37	\$37
SR 52/I-805 HOV Connector	East to South and North to West	\$91	\$93	\$42	\$51	\$51
SR 94/SR 15 HOV Connectors	West to North and South to East	\$71	\$100	\$48	\$52	\$52
SR 94/I-805 HOV Connectors (inc 805 Widening to accommodate)	South to West and East to North	\$101	\$300	\$0	\$300	\$300
I-805/SR 15 HOV Connectors	North to West and East to South	\$81	\$100	\$0	\$100	\$100
	South to South and North to North	\$703	\$959	\$161	\$798	\$798
	Total Managed Lanes, HOV Lanes, and HOV Connectors	\$4,951	\$5,297	\$2,210	\$3,087	\$3,087
				Match		\$1,544
				Sales Tax Need		\$1,544
	Financing Costs Attributable to Managed Lanes, HOV Lanes, and HOV Connectors				\$396	\$396
				Total Capital and Financing	\$3,484	\$1,940

Highways and General Purpose Lane Connectors

Route	Description	RTP Cost (2014 \$millions)	Cost (2015 \$millions)	<i>TransNet</i> II Plan of Finance Capacity (2015 \$millions)	Net Need (2015 \$millions)	Proposed (2015 \$millions)
Highways						
I-8	4F/6F to 6F from 2nd St to Los Coches	\$35	\$36	\$32	\$4	\$4
SR 52	4F to 6F from Mast Blvd to SR 125	\$76	\$78	\$0	\$78	\$78
SR 56	4F to 6F from I-5 to I-15	\$141	\$144	\$114	\$30	\$30
SR 67	2C to 4C from Maplevue to Dye Road	\$636	\$649	\$250	\$399	\$399
		\$888	\$906	\$396	\$510	\$510
Connectors - General Purpose Lane						
I-5/SR 56 Connectors	West to North and South to East	\$273	\$278	\$64	\$214	\$214
I-5/SR 78 Connectors	South to East and West to South	\$273	\$278	\$64	\$214	\$214
SR 94/SR 125 Connectors	South to East and West to North	\$150	\$153	\$114	\$39	\$39
		\$696	\$710	\$242	\$468	\$468
	Total Highways and General Purpose Lane Connectors	\$1,584	\$1,616	\$638	\$978	\$978
					Match Sales Tax Need	\$489 \$489
						\$126
					Total Capital and Financing	\$1,103
						\$615

Estimate of Local Share for Future Sales Tax Measure

Jurisdiction	Percent Share	40-year total (2015 \$millions)	2017 - First Year Allocation (\$thousands)
Carlsbad	3.45%	\$149.1	\$2,463
Chula Vista	7.96%	\$344.1	\$5,684
Coronado	0.78%	\$33.8	\$558
Del Mar	0.19%	\$8.3	\$137
El Cajon	3.17%	\$136.9	\$2,262
Encinitas	1.95%	\$84.1	\$1,389
Escondido	4.57%	\$197.6	\$3,264
Imperial Beach	0.88%	\$38.1	\$630
La Mesa	1.86%	\$80.5	\$1,330
Lemon Grove	0.86%	\$37.4	\$617
National City	1.89%	\$81.9	\$1,352
Oceanside	5.32%	\$229.9	\$3,798
Poway	1.56%	\$67.6	\$1,117
San Diego	41.95%	\$1,812.9	\$29,951
San Marcos	2.84%	\$122.9	\$2,030
Santee	1.77%	\$76.5	\$1,264
Solana Beach	0.46%	\$20.0	\$331
Vista	3.01%	\$130.3	\$2,152
County	15.50%	\$670.0	\$11,070
Total	100.00%	\$4,321.7	\$71,402

For comparison purposes, the *TransNet* Extension includes an estimated \$76.7 million to local jurisdictions in FY 2017. The Future Sales Tax Measure FY 2017 estimate would represent an augmentation over and above what local cities and the county receive from *TransNet* in that year of:

93%

Other Allocations

	Amount (2015 \$millions)
Off the Top	
Administration	\$182
Independent Oversight	\$10
Subtotal	<u>\$192</u>
Other Programs	
Active Transportation	\$540
Open Space*	\$2,000
Specialized Transit Grant Program	\$540
Local Infrastructure	\$1,078
- Rail Grade Separation Grant Program (\$900)	
- Arterial Traffic Signal Synchronization Grant Program (\$178)	
Subtotal	<u>\$4,158</u>
Total	\$4,350

*Assumes cost of acquisition, management and monitoring of habitat preserve areas to meet the regional obligation outlined in state/federal agreements

Key Provisions of Draft Ordinance implementing the Expenditure Plan

1. PRIORITIZATION OF PROJECTS IN THE SANDAG PROGRAM OF PROJECTS (Priority Corridors Program):

- A. There is recognition that work on certain high priority projects needs to advance in order to provide better connections to regional job centers, provide transportation choices, and support economic/environmental opportunities for the San Diego region. These projects shall be part of the Priority Corridors Program and shall include:

North Corridors

- SR 78 Corridor: HOV/Managed Lanes and connectors
- I-5 HOV/Managed Lanes; COASTER double tracking, including Fairgrounds Station and double tracking at San Dieguito Bridge; and state of good repair projects

Central Corridors

- SR 52 Corridor: HOV/Managed Lanes
- Sorrento Valley COASTER Station relocation and rail grade separation
- New Purple Line Trolley: Advance project development to compete for Federal Full Funding Grant Agreement. Construct as soon as the Federal Full Funding Grant Agreement has been secured
- Orange Line Trolley service enhancements

South Corridors

- South Bay *Rapid 640*: *Rapid Express Service* from San Ysidro to Downtown, Old Town, and Kearny Mesa
- South Bay *Rapid 638*: *Rapid Express Service* from Iris Trolley Station to Otay Mesa
- Blue Line Trolley service enhancements
- I-5 South Corridor: Managed Lanes to support *Rapid Express Service*

East Corridors

- SR 67 Corridor: widening/evacuation route improvements from Maplevue to Dye Road
- I-8 Corridor: Improvements from 2nd Street to Los Cochés
- SR 94/SR125 Interchange: Missing Connectors

- B. Following certification of passage of the Ordinance, the [Regional Transportation] Commission shall consider an initial Plan of Finance and budget actions necessary to commence work on the Priority Corridors Program.
- C. It is recognized that projects in the Priority Corridors Program are in various stages of project development and the Commission will make all efforts possible to advance all such projects to completion as expeditiously as possible.
- D. As Priority Corridors projects progress through the project development process, the Commission shall ensure that sufficient funding or bonding capacity remains available to fully implement the projects.
- E. All projects identified in the Priority Corridors Program shall be reviewed on a quarterly basis by the Commission to ensure all reasonable efforts are being made to advance the projects to completion.

2. LOCAL INFRASTRUCTURE PROJECTS PROGRAM (Eligible Uses):

- A. Twenty-four percent (24%) in Ordinance Net Revenues funding will be made available during the life of the Ordinance to fund implementation of local infrastructure programs and projects using the formula specified in this Section, to each city and the County of San Diego (hereinafter referred to as local agencies) to supplement other revenues available for those purposes.
- B. Examples of Eligible Uses for funding in the Local Infrastructure Projects Program include but are not limited to the following:
 - 1. Transit: transit capital, operations and maintenance costs, including discounted youth pass programs; transit oriented development projects that offset developers' costs and incentivize construction of housing near transit.
 - 2. Habitat: acquisition, management, maintenance, and monitoring of natural habitat and open space; other projects that implement protection and preservation programs consistent with adopted natural community conservation plans and habitat conservation plans.
 - 3. Roads: planning, construction, and maintenance of local streets and roads; traffic light synchronization projects; planning, construction, and maintenance of grade separations; planning, construction, and maintenance of active transportation projects such as sidewalks and bike paths; improvements to enhance accessibility to the transportation system by disabled persons; complete streets implementation.
 - 4. Beach Sand: construction, maintenance, monitoring, and operation of beach sand replenishment projects.
 - 5. Greenhouse Gas Reduction: preparation of Climate Action Plans (CAPs) and implementation of transportation-related greenhouse gas reduction and climate adaptation measures in CAPs; development and implementation of Transportation Demand Management projects; energy projects with a nexus to transportation such as

projects in the SANDAG Plug-in Electric Vehicle Readiness Plan or the readiness plan for alternative fuels, or other energy projects that will reduce greenhouse gas emissions from transportation projects.

6. Watershed Management: preparation and implementation of watershed management plans, which can include elements such as groundwater recharge projects, flood control projects, planning for urbanization and impervious surfaces, and removal of invasive species that interfere with the watershed; projects that capture, treat, and recycle or dispose of stormwater, or implement stormwater elements of transportation project.

Estimate of Increased Local Share for Funding Measure

Jurisdiction	Percent Share	40-year total at 24% (2015 \$millions)	2017 - First Year Allocation at 24% (\$thousands)	40-year total at 30% (2015 \$millions)	2017 - First Year Allocation at 30% (\$thousands)
Carlsbad	3.45%	\$149.1	\$2,463	\$186.3	\$3,078
Chula Vista	7.96%	\$344.1	\$5,684	\$429.8	\$7,102
Coronado	0.78%	\$33.8	\$558	\$42.2	\$697
Del Mar	0.19%	\$8.3	\$137	\$10.4	\$171
El Cajon	3.17%	\$136.9	\$2,262	\$171.1	\$2,826
Encinitas	1.95%	\$84.1	\$1,389	\$105.1	\$1,736
Escondido	4.57%	\$197.6	\$3,264	\$246.9	\$4,078
Imperial Beach	0.88%	\$38.1	\$630	\$47.6	\$787
La Mesa	1.86%	\$80.5	\$1,330	\$100.6	\$1,662
Lemon Grove	0.86%	\$37.4	\$617	\$46.7	\$771
National City	1.89%	\$81.9	\$1,352	\$102.3	\$1,690
Oceanside	5.32%	\$229.9	\$3,798	\$287.2	\$4,745
Poway	1.56%	\$67.6	\$1,117	\$84.4	\$1,395
San Diego	41.95%	\$1,812.9	\$29,951	\$2,265.6	\$37,420
San Marcos	2.84%	\$122.9	\$2,030	\$153.5	\$2,536
Santee	1.77%	\$76.5	\$1,264	\$95.6	\$1,580
Solana Beach	0.46%	\$20.0	\$331	\$25.0	\$414
Vista	3.01%	\$130.3	\$2,152	\$162.7	\$2,689
County	15.50%	\$670.0	\$11,070	\$837.1	\$13,830
Total	100.00%	\$4,321.7	\$71,402	\$5,400.0	\$89,205

For comparison purposes, the *TransNet* Extension includes an estimated \$76.7 million to local jurisdictions in FY 2017. The Future Sales Tax Measure FY 2017 estimate would represent an augmentation over and above what local cities and the county receive from *TransNet* in that year of 93% under the 24% option and 116% under

Prepared for San Diego Association of Governments (SANDAG), California Department of Fish and Wildlife, Bureau of Land Management, and U.S. Fish and Wildlife Service

Biotelemetry Data for Golden Eagles (*Aquila chrysaetos*) Captured in Coastal Southern California, November 2014–February 2016



Data Series 994

U.S. Department of the Interior
U.S. Geological Survey