Region L
South Central Texas Regional Water Planning Group

c/o San Antonio River Authority
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EXECUTIVE COMMITTEE
Con Mims
Chair / River Authorities
Mike Mahoney
Vice-Chair / Water Districts
Gary Middleton
Secretary / Municipalities
Evelyn Bonavita
Public
Ron Naumann
Water Utilities

MEMBERS
Jason Ammerman
Industries
Dr. Donna Balin
Environmental
Vacant
Small Business
Karl Dreher
Water Districts
Greg Sengelmann
Water Districts
Kevin Janak
Electric Generating/Utilities
Rey Chavez
Industries
Bill Jones
Agriculture
John Kight
Counties
Alan Cockerell
Agriculture
Will Conley
Counties
Tim Andruss
Water Districts
Iliana Peña
Environmental
Steve Ramsey
Water Utilities
Suzanne Scott
River Authorities
Milton Stolte
Agriculture
Thomas Taggart
Municipalities
Bill West
River Authorities
Robert Puente
Municipalities
Tony Wood
Small Business
Vic Hilderbran
GMA 7
Don Dietzmann
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Dan Meyer
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Diane Savage
GMA 13
Art Dohmann
GMA 15

DATE: April 24, 2013

TO: Members of the South Central Texas Regional Water Planning Group

FROM: Steven J. Raabe, P.E.

The schedule and location of the meeting of the South Central Texas Regional Water Planning Group is as follows:

TIME AND LOCATION

Thursday, May 2, 2013
10:00 a.m.
San Antonio Water System
Customer Service Building
Room CR 145
2800 US Highway 281 North
San Antonio, Bexar County, Texas 78212

Enclosed is a copy of the posted public meeting notice.

Gary Middleton

GMM/en

Enclosure

NOTICE OF OPEN MEETING OF THE SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING GROUP

TAKE NOTICE that a meeting of the South Central Texas Regional Water Planning Group as established by the Texas Water Development Board will be held on Thursday, May 2nd, 2013 at 10:00 a.m. at San Antonio Water System (SAWS), Customer Service Building, Room CR 145, 2800 US Highway 281 North, San Antonio, Bexar County, Texas. The following subjects will be considered for discussion and/or action at said meeting.

1. Public Comment

2. Approval of Minutes

3. Status of Edwards Aquifer Habitat Conservation Plan (HCP)

4. Status of Guadalupe, San Antonio, Mission, and Aransas Rivers and Mission, Copano, Aransas, and San Antonio Bays Basin and Bay Stakeholder Committee (BBASC) and Expert Science Team (BBEST) and Nueces River and Corpus Christi and Baffin Bays Stakeholder Committee (BBASC) and Expert Science Team (BBEST)

5. Texas Water Development Board (TWDB) Communications

6. Texas Water Development Board Presentation on Revised Regional Water Planning Rules, Part 2

7. Discussion and Appropriate Action Regarding Legislative Activities

8. Discussion and Appropriate Action Regarding Authorizing Administrator to Begin Soliciting Nominations for SCTRWPG Voting Members Whose Terms Expire in August 2013 (12 members)

9. Report, Discussion and Appropriate Action from Work Groups
    - Eagle Ford Shale Work Group, Suzanne Scott
        - Presentation by UTSA Institute for Economic Development – Region L Eagle Ford Shale Population Projection Study, Dr. Thomas Tunstall, Ph.D., Research Director
    - Carrizo Aquifer Work Group, Greg Sengelmann

10. Discussion and Appropriate Action Regarding Consultants Work and Schedule

11. Discussion and Appropriate Action Regarding Population and Population-Related Water Demand Projections (Task 2B) Recommendations to TWDB

12. Discussion and Appropriate Action Regarding Draft Water Needs Analysis (Task 4A & Task 4B) to be Refined and Included in the Preparation of the Needs Analysis Survey (Phase 2 of Online Survey)

13. Discussion and Appropriate Action Regarding Evaluation of Potentially Feasible Water Management Strategies (Task 4B), Draft Scopes of Work and Budgets for Submittal to TWDB (Task 4D)

14. Discussion and Appropriate Action Regarding Authorizing Political Subdivision to Submit Request for Notice-to-Proceed for Evaluation of Eight Water Management Strategies and Authorize Administrator to Execute Contract Amendment with TWDB

15. Possible Agenda Items for the Next South Central Texas Regional Water Planning Group Meeting

16. Public Comment

The South Central Texas Regional Water Planning Area consists of Atascosa, Bexar, Caldwell, Calhoun, Comal, Dewitt, Dimmit, Frio, Goliad, Gonzales, Guadalupe, Karnes, Kendall, La Salle, Medina, Refugio, Uvalde, Victoria, Wilson, Zavala and part of Hays Counties.

www.RegionLTexas.org

AGENDA ITEM 1

Public Comment

AGENDA ITEM 2

Approval of Minutes

Minutes of the
South Central Texas Regional Water Planning Group
March 14, 2013

The meeting was called to order at 10:00 a.m. in the San Antonio Water System's (SAWS) Customer Service Building, Room CR 145, 2800 US Highway 281 North, San Antonio, Bexar County, Texas.

Twenty-seven of the 29 voting members, or their alternates, were present.

Voting Members Present:

Genà Leathers for Jason Ammerman
Tim Andruss
Donna Balin
Evelyn Bonavita
Patrick Garcia for Rey Chavez
Alan Cockerell
Don Dietzmann
Art Dohmann
Vic Hilderbran
Rick Illgner
Kevin Janak
Bill Jones
John Kight
Mike Mahoney
Dan Meyer
Gary Middleton
Con Mims
Ron Naumann
Iliana Peña
Robert Puente
Steve Ramsey
Suzanne Scott
Barry Miller for Greg Sengelmann
Milton Stolte
Tom Taggart
Bill West
Tony Wood

Voting Members Absent:

Will Conley
Diane Savage

Non-Voting Members Present:

Norman Boyd, Texas Department of Parks and Wildlife (TPWD)
Ron Fieseler, Region K Liaison
Don McGhee, Region M Liaison
Matt Nelson, Texas Water Development Board (TWDB)
Ken Weidenfeller, Texas Department of Agriculture

AGENDA ITEM NO. 1: Public Comment

There was no public comment at the time.

AGENDA ITEM NO. 2: Approval of Minutes

Chairman Con Mims asked if there were any additions or corrections to the minutes from November 1, 2012. Gary Middleton asked for a correction to the calendar year date on page 3, Agenda Item No. 7 to reflect 2016 appropriately.

AGENDA ITEM NO. 3: Election of Officers for Calendar Year 2013

Mr. Mims asked for nominations for the election of officers for 2013, beginning with Chair. Suzanne Scott made a motion to re-elect Mr. Mims as Chairman. Ron Naumann seconded the motion. The motion carried by consensus.

Robert Puente made a motion to re-elect Mike Mahoney as Vice Chair. Tom Taggart seconded the motion. The motion carried by consensus.

Mr. Mims then asked for nominations for Secretary. Kevin Janak made a motion to re-elect Mr. Middleton as Secretary. Rick Illgner seconded the motion. The motion carried by consensus.

Mr. Mims asked for nominations for the two At-Large positions. Mr. Middleton made a motion to re-elect Evelyn Bonavita as an At-Large officer. Bill West seconded the motion. The motion carried by consensus. John Kight made a motion to re-elect Ron Naumann as an At-Large officer. Mr. Middleton seconded the motion. The motion carried by consensus.

AGENDA ITEM NO. 4: Status of Guadalupe, San Antonio, Mission, and Aransas Rivers and Mission, Copano, Aransas, and San Antonio Bays Basin and Bay Stakeholder Committee (BBASC) and Expert Science Team (BBEST) and Nueces River and Corpus Christi and Baffin Bays Stakeholder Committee (BBASC) and Expert Science Team (BBEST)

Suzanne Scott, Chair of the Guadalupe, San Antonio, Mission, and Aransas Rivers and Mission, Copano, Aransas, and San Antonio Bays Basin and Bay Stakeholder Committee (BBASC), provided an update on activities for the GSA BBASC and the most recent GSA BBASC meeting. Mrs. Scott informed the Planning Group the stakeholder committee received comments from the Science Advisory Committee (SAC) on the Work Plan for Adaptive Management, which were complimentary. The Work Plan for Adaptive Management was submitted by the SAC to the Environmental Flows Advisory Group (EFAG) in December of 2012.

Mrs. Scott also informed the Planning Group the stakeholder committee received updates on activities pertaining to the Work Plan, such as GBRA's Instream Flow study they are conducting, as well as updates from Mission-Aransas National Estuarine Research Reserve and their study, "Balancing Freshwater Inflows in a Changing Environment", SARA's EDYS modeling and TWDB's potential "Synoptic Flow Measurements for Estimating Freshwater Inflow" study.

Mrs. Scott also reported in regards to the concern of the stakeholder committee for future funding of the Work Plan and the ability to move forward on getting some of the studies funded, the stakeholder committee agreed to have Mrs. Scott submit a letter to the House of Natural Resources Committee (NRC) and the others within the legislature to try to encourage some funding mechanism for the Work Plan activities.

Mr. Mims, Chair of the Nueces River and Corpus Christi and Baffin Bays Stakeholder Committee (BBASC), stated the Environmental Flows Standards and Strategies have been submitted, as well as the Work Plan for Adaptive Management, but no response to the reports

has been received to date. The Texas Commission on Environmental Quality (TCEQ) is expected to adopt standards for the Nueces in March 2014. Mr. Mims also submitted a letter, similar to the letter submitted by the GSA BBASC, regarding a mechanism for funding Work Plans, to the legislature.

AGENDA ITEM NO. 5: Status of Edwards Aquifer Habitat Conservation Plan (HCP)

Dr. Robert Gulley, EAHCP Executive Director, provided a brief report on the status of the Habitat Conservation Plan. Dr. Gulley informed the Planning Group the Incidental Take Permit (ITP) will be issued on Monday, 18th, 2013 and the Army Corps of Engineers will issue the Corps permits that will allow the work to take place in the water.

Dr. Gulley stated a ceremony, with US Fish and Wildlife officials, will be held on April 3rd, 2013 at The Meadows Center in San Marcos at 1:00pm.

AGENDA ITEM No. 6: Report, Discussion and Appropriate Action from Work Groups

- **EAHCP Work Group – Tom Taggart, Chair**
- **Eagle Ford Shale Work Group – Suzanne Scott, Chair**
    - **Presentation by UTSA Institute for Economic Development - Region L Eagle Ford Shale Population Projection Study, Dr. Thomas Tunstall, Ph.D., Research Director**

Mr. Mims asked Mr. Taggart, Chair, EAHCP Work Group, to provide a report and group recommendation on the HCP. The charge of the work group was to recommend to the Planning Group how to use the Edwards Aquifer HCP (EAHCP) as a water management strategy in this planning cycle and present a report at this meeting.

Mr. Taggart stated the work group felt it was important to get recommendation or inclination from the HCP Implementing Committee. Mr. Taggart asked HDR Engineering to provide a presentation to the EAHCP Implementing Committee on February 21st, 2013 reflecting the HCP as a water management strategy (WMS) and considered as existing supply so the committee may view both options. The Implementing Committee recommended the HCP be classified as a water management strategy with the spring flow associated with the HCP being in affect used for hydrologic modeling.

The Region L EAHCP Work Group's recommendation to the Planning Group is as follows:

The EAHCP Work Group recommends that the South Central Texas Regional Water Planning Group include the EAHCP as a recommended Water Management Strategy in the 2016 Regional Water Plan (RWP) and use the spring flows associated with EAHCP implementation[1] as a hydrologic modeling assumption for computation of existing surface water supplies and technical evaluation of water management strategies. The EAHCP Work Group further recommends that existing water supplies from the Edwards Aquifer in the 2016 RWP be those associated with EAHCP implementation and in specific amounts to be determined in consultation with the EAA.

[1] RECON Environmental, Inc., Hicks & Company, Zara Environmental LLC, & BIO-WEST, "Edwards Aquifer Recovery Implementation Program Habitat Conservation Plan, Appendix K," Edwards Aquifer Recovery Implementation Program, November 2012.

In addition, the TWDB has been apprised of these discussions and recommendation and is acceptable to this approach. The Planning Group expressed no objection to the work group recommendation.

Mr. Mims asked Mrs. Scott, Chair, Eagle Ford Shale Work Group, to provide a report on the group's activities to date. The charge was to investigate, in general, how the Eagle Ford Shale operations may affect Region L planning, with specific attention to population projections in affected areas, water demands based on population projections, the amounts and sources of water being used for drilling, including fracking and present a report at this meeting.

Mrs. Scott, Chair of the Eagle Ford Shale Work Group, provided a brief update on activities of the group to date. Mrs. Scott expressed the group's concern regarding possible population increases in the Eagle Ford Shale areas that may have not been captured in the most recent census. As water demands are tied to population projections provided by TWDB, this concern is the first item for the group's review. After researching other sources, on behalf of the work group, SARA contacted the Institute for Economic Development at the University of Texas San Antonio, who has developed several studies relating to the Eagle Ford Shale impact in South Texas. Dr. Tom Tunstall, Research Director for the Institute for Economic Development at UTSA, met with the work group and provided a presentation on his current research and a proposed study into population projections in Region L counties. After Mrs. Scott introduced Dr. Tunstall and Dr. Sherilynn Roberts, Dr. Tunstall and Dr. Roberts provided the Planning Group with a presentation reflecting their study proposal on behalf of the work group.

Dr. Tunstall provided a brief background of the research findings by UTSA in regards to the impact of Eagle Ford Shale in South Texas to date, to include the economic impact and projections for counties. Dr. Roberts provided a presentation on the methodology UTSA plans to use to update population projections for the region at a county level. Dr. Roberts will be coordinating findings with Region L's Technical Consultants, HDR Engineering, as well. UTSA will be developing three population projections calculated using standard population multipliers as well as workforce forecasts, employment figures, housing units/development, and public school enrollment. UTSA will be looking for trends, "hot spots", etc. in the Region L counties requested.

Mrs. Scott informed the Planning Group that UTSA will provide the data they find and the comparison to the State Demographers projections and HDR Engineering will then have to take those findings and break the population numbers down to water user group levels. If the Planning Group finds significant differences based on the research found by UTSA, the Planning Group will have to submit the findings to TWDB as a request to modify the population projections and/or water demands. Pending the outcome from TWDB, HDR Engineering will factor in the water management strategies. Mr. Perkins also reminded the Planning Group if differences (increase or decrease) are found, the Planning Group will have to determine how to distribute to entities within that county.

Mr. Taggart asked how transitory populations will be factored in, for example the increase in hotels, man camps and other "non-traditional" residences. Matt Nelson, TWDB, stated that water usage could be factored in through Gallons per Capita Daily (GPCD).

Mrs. Scott added if the Planning Group would like the work group to begin looking at other potential issues relevant to the Eagle Ford Shale impact, to please let her know. Iliana Peña has requested the work group consider looking at water quality issues. Mr. Mims asked the work group to look in to how the Eagle Ford Shale play may be affecting groundwater use in the Carrizo Aquifer and how will it affect municipal supplies.

AGENDA ITEM NO. 7: Texas Water Development Board (TWDB) Communications

- **Presentation on Revised Regional Water Planning Rules**

Matt Nelson, TWDB, provided a presentation on the revised regional water planning rules, to explain to Planning Group members what the changes are to the planning rules as a result of revisions to the planning rules in 2012. Mr. Nelson reviewed the background on the planning requirements, the purpose and nature of rule changes and the summary of specific rule changes as it affects the regional water planning process for the 2016 RWP. The presentation will also be available on the Region L website at www.RegionLTexas.org and the revised rules are available on the TWDB website at www.twdb.state.tx.us/waterplanning under Regional Water Planning Rules and Regulations.

AGENDA ITEM NO. 8: Discussion and Appropriate Action Regarding Legislative Activities

Mr. Mims invited several entities to update the Planning Group on legislative issues of interest affecting regional water planning the entities may be watching. The first to speak was Donovan Burton, Chief of Staff, San Antonio Water System (SAWS).

Mr. Burton is tracking over 252 bills but provided update on Senate Bill 4 (SB4), House Bill 4 (HB4), as well as amendments. SAWS is following many groundwater bills, focusing on long term certainty of groundwater permitting for future projects. Mr. Burton also provided an update on bills filed on the Desired Future Conditions (DFCs) appeal process and bills regarding desalination projects.

Mr. West passed out an outline of HB4 and HB11, as well as a list of bills GBRA is currently tracking.

Mr. Mahoney provided additional information on bills regarding groundwater permit renewals and brackish water and bills regarding water usage for fracking.

Mr. Mims updated the Planning Group on SB589 and HB3260, designating unique stream segments in the Region L planning area.

Mrs. Scott addressed the possibility of a funding mechanism for SB3 Work Plans' study efforts through different sources such as State Water Implementation Fund for Texas (SWIFT), or TWDB's research and planning funds; as well as possible funding for several strategies within the Work Plans.

AGENDA ITEM NO. 9: Discussion and Appropriate Action Regarding Consultants Work and Schedule

Mr. Perkins reviewed the 2016 RWP Consultant Schedule and changes to the schedule made since the November Planning Group meeting, tasks scheduled to be presented to the Planning Group at this meeting and deadlines for proposed recommendations of those tasks by the Planning Group. In addition to the schedule, Mr. Perkins reviewed potential issues that may affect the 2016 RWP planning process. A list of potential issues was included in the agenda packet for review. The list includes items such as implementing environmental flows, Eagle Ford Shale demands, and meeting steam-electric demands in Victoria County. This listing will

continue to be included in the agenda packet and as issues are addressed, the current listing will reflect the status or action being taken to address the issue.

AGENDA ITEM NO. 10: Discussion and Appropriate Action Regarding Submittal to the TWDB of Revised Non-Municipal Water Demand Projections for Mining as a Result of the Revised Bureau of Economic Geology (BEG) Report (Task 2A) and Steam-Electric Revision Request

Mr. Perkins provided the revised non-municipal water demand projections for mining as distributed by TWDB, based on the newly revised BEG Report. For the mining projections, HDR Engineering created a spreadsheet reflecting each Region L county's projected oil and gas water use from the original 2011 BEG Report, projected use from the revised BEG Report and the difference, if any, of projected water use. Mr. Perkins reminded the Planning Group of the Planning Group's previous recommended revisions for mining projections for Goliad and DeWitt Counties. That recommendation still stands and those recommendations will, again, be submitted to TWDB. Mr. Mims asked the Planning Group if there were any objection to approving the use of the revised mining projections, with the understanding the previous recommendations for revisions for Goliad and DeWitt Counties still stands, for submittal to TWDB. The Planning Group had no objections.

Mr. Perkins presented a request by CPS Energy to request a revision to the draft Steam-Electric Demand Projections for Guadalupe County for the years 2020 and 2030 due to the recent purchase of the Rio Nogales plant in Guadalupe County. CPS Energy has requested an increase from 3,406 ac-ft per year to 5,984 ac-ft per year for 2020 and from 3,326 ac-ft per year to 4,941 ac-ft per year for 2030. Mr. Perkins added the increase will not create a need for additional WMSs. Tony Wood made a motion to accept the request by CPS Energy to revise the Steam-Electric projections for Guadalupe County to 5,984 ac-ft per year for the year 2020 and to 4,941 ac-ft per year for 2030. Mr. Naumann seconded the motion. The motion carried by consensus.

AGENDA ITEM NO. 11: Presentation and Discussion Regarding Population and Population-Related Water Demand Projections (Task 2B)

Mr. Perkins presented the draft Population and Water Demand Projections recently received from TWDB. Mr. Perkins provided a presentation of a summary of the projections, by county, to the Planning Group. The summary slides provided the differences between the projections in the 2011 RWP and the projections in the 2016 RWP through the year 2060. On the whole, Region L is growing 9% higher than projected in 2011.

Mr. Perkins presented the draft Water Demand Projections through the year 2060, as well, summarizing the differences for each county between the 2011 RWP and the 2016 RWP. Again, on the whole, Mr. Perkins stated the water demand projection for the year 2060 is 8% higher in the 2016 RWP than in the 2011 RWP. When reviewing the overall regional total of water demand projections, the difference between the 2011 RWP water demand projections and the draft 2016 RWP water demand projections is an increase of 51,562 ac-ft per year by the year 2060; 44,000 ac-ft is in Bexar County and the remainder is split over the rest of Region L counties.

Mrs. Scott asked why certain counties reflected a higher population projection but lower water demand projections, such as Hays County. Hays County reflects a higher population in the

Region L portion of the county for the year 2020, however the water demand projections for 2020 for the 2016 RWP for Hays County is less than previously projected in the 2011 RWP. Mr. Nelson stated it is possible for population to increase and water demand to decrease due to the gallons per capita per day (GPCD) TWDB uses to project the demands. Mr. Perkins added that in the 2011 RWP, the TWDB used year 2000 GPCD to develop projections but for the 2016 RWP, TWDB is using the year 2011 GPCD's and 2011 was a very dry year and drought measure efforts were instituted in several counties that may have affected GPCD numbers. Mr. Nelson reminded the Planning Group the GPCD's were also based on Water Use Surveys.

HDR Engineering created an additional breakdown of population and water demand projections by each county and water user group (WUG) within that county, for the Planning Group members' information. The more detailed tables were presented and comparisons between the 2011 RWP projections versus the 2016 RWP proposed projections were reflected, by entity (WUG) and by decade.

Mr. Perkins reviewed the steps to be taken by HDR Engineering and the San Antonio River Authority, as Administrator, to contact municipal water user groups to provide them TWDB's draft population and water demand projections. First, an online survey has been created to be emailed to each water user group. A link and unique login ID number to the entity's survey will be emailed to each water user groups' main contact person for completion. The survey will provide draft population, water demand and per capita projections provided by TWDB for use in the 2016 RWP, as well as draft contractual customer water demands of the entity (wholesale raw or treated water customers and the amount of water the entity is contracted, if any, to supply them). We are requesting each entity review the survey and, if the information is correct, the entity will submit the survey, but if the entity disagrees, they will be able to request revisions to part or all of the information from the survey. The information collected will be presented at the May Planning Group Meeting. HDR Engineering will contact wholesale water providers separately for their use information.

Lastly, Mr. Perkins informed the Planning Group one of the new requirements was the listing of emergency measures for entities with populations smaller than 7,500. Region L currently has an estimated 131 municipal WUGs, of which about 82 WUGs serve a population of less than 7,500. A portion of those 82, if they are receiving water from a single source, will be contacted by HDR Engineering to discuss emergency management measures in case of drought.

AGENDA ITEM NO. 12: Discussion and Appropriate Action Regarding Evaluation of Potentially Feasible Water Management Strategies (Task 4B), Draft Scope of Work and Budget for Submittal to TWDB and Inclusion in Technical Memorandum

Mr. Perkins presented the plan to identify water management strategies and report the strategies to TWDB and reviewed the revisions requested to the document with the Planning Group. The revisions to the document are due to the revised 2016 RWP schedule from TWDB.

Mr. Perkins reviewed the revised spreadsheet listing Potentially Feasible Water Management Strategies for the 2016 RWP. Changes had been requested at the November Planning Group Meeting. HDR Engineering broke out the WMS' by aquifer and by groundwater and surface water strategies. The revised listing also reflects the quantity of ac-ft per year, the source(s), the regulating Groundwater District, and if available, the Modeled Available Groundwater for the aquifer/county. This listing will be used to speak with each Groundwater Conservation District to figure out how much water is already allocated and how much water is available for future strategies.

Mr. Perkins asked the Planning Group for authorization to begin drafting scopes of work (SOW) and budgets for the following WMS': Water Conservation, Drought Management, Recycled Water Programs, Surface Water Rights, Facilities Expansions, Balancing Storage (ASR and/or Surface Water), and Local Groundwater Supplies. Mrs. Scott asked if HDR Engineering could also begin the draft SOW and budget for the Edwards Aquifer HCP, as stated here today. The Planning Group had no objections to the addition of the Edwards Aquifer HCP. Mr. Kight made a motion to approve HDR Engineering to begin drafting the SOW and budget for the following WMS': Water Conservation, Drought Management, Recycled Water Programs, Surface Water Rights, Facilities Expansions, Balancing Storage (ASR and/or Surface Water), Local Groundwater Supplies, and Edwards Aquifer HCP. Milton Stolte seconded the motion. The motion carried by consensus.

HDR Engineering will develop the draft SOW and budget for each approved WMS listed and bring them back to the Planning Group in May for approval to submit to the TWDB for a Notice-to-Proceed to begin evaluating the eight WMS'.

AGENDA ITEM NO. 13: Possible Agenda Items for the Next South Central Texas Regional Water Planning Group Meeting

Mr. Mims proposed the following agenda items for the May 2, 2013 Planning Group Meeting:

- EAHCP Update
- Status of SB3, Environmental Flows Process
- Report, Discussion and Appropriate Action from Work Groups
- Discussion and Appropriate Action Regarding Population and Population-Related Water Demand Projections

AGENDA ITEM NO. 14: Public Comment

Mr. Mims asked the Planning Group and public present if they wished to discuss how the recent Whooping Crane lawsuit decision may affect regional water planning in the future in the Region L area. Mr. West provided his perspective of future actions that could be taken, such as an appeal, and the timeline and contingencies that may need to be built in to the planning process. Mr. Mims stated a decision could affect flow regimes and Environmental Flow Standards in the planning area. Mrs. Scott added if a stay is not granted, we may see an immediate impact on new permits, as the judge's ruling states there would be a suspension of any new permits and some permits have already been filed that may or may not be considered new, as "new" has not been defined yet. In relation to the Edwards Aquifer HCP, Mr. Taggart stated as he understands, the biological opinion of US Fish and Wildlife may state their view of the Edwards Aquifer HCP as being beneficial to the Whooping Crane. But, Mr. Taggart added, it's whether or not the biological opinion recognizes that. Jim Murphy reminded the group everything affecting the salinity is fair game for the judge's opinion and future Whooping Crane HCP. If there isn't enough surface water, it may come from another source, such as groundwater or reuse.

Dianne Wassenich, San Marcos River Foundation, strongly urged all Planning Group members to do what they could on habitat conservation plans, similar to the HCP on the Edwards, for the Whooping Cranes and the coastal area, to include looking at solutions including handling the water we have more appropriately rather than looking for new water. Ms. Wassenich also urged the Planning Group members working on funding in the current legislation, to ask for a small

amount to start work on stakeholder groups for a possible HCP for Whooping Cranes as it takes several years to get started.

Recommended for approval.

_____
GARY MIDDLETON, SECRETARY

Approved by the South Central Texas Regional Water Planning Group at a meeting held on May 2, 2013.

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CON MIMS, CHAIR

AGENDA ITEM 3

Status of Edwards Aquifer Habitat Conservation Plan (HCP)

AGENDA ITEM 4

Status of Guadalupe, San Antonio, Mission, and Aransas Rivers and Mission, Copano, Aransas and San Antonio Bays Basin and Bay Stakeholder Committee and Expert Science Team (BBEST) and Nueces River and Corpus Christi and Bafin Bays Stakeholder Committee (BBASC) and Expert Science Team (BBEST)

AGENDA ITEM 5

Texas Water Development Board (TWDB) Communications

AGENDA ITEM 6

Texas Water Development Board Presentation on Revised Regional Water Planning Rules, Part 2

AGENDA ITEM 7

Discussion and Appropriate Action Regarding Legislative Activities

AGENDA ITEM 8

Discussion and Appropriate Action Regarding Authorizing Administrator to Begin Soliciting Nominations for SCTRWPG Voting Members Whose Terms Expire in August 2013 (12 Members)

SCTRWPG MEMBERS' TERMS OF OFFICE
April 24, 2013

Member Name	Position	Interest Represented	Term Expires
Executive Committee			
Con Mims	Chair	River Authorities	2016
Mike Mahoney	Vice Chair	Water Districts	2016
Gary Middleton	Secretary	Municipalities	2016
Evelyn Bonavita		Public	2013
Ron Naumann		Water Utilities	2013
Iliana Pena		Environmental	2016
Donna Balin		Environmental	2016
Will Conley		Counties	2013
John Kight		Counties	2016
Robert Puente		Municipalities	2016
Tom Taggart		Municipalities	2016
Gena Leathers for Jason Ammerman		Industries	2013
Rey Chavez		Industries	2016
Alan Cockerell		Agricultural	2016
Milton Stolte		Agricultural	2016
Bill Jones		Agricultural	2013
Tony Wood		Small Business	2013
Vacant		Small Business	2013
Kevin Janak		Elec. Generating Utilities	2016
Bill West		River Authorities	2016
Suzanne Scott		River Authorities	2013
Rick Illgner for Karl Dreher		Water Districts	2013
Tim Andruss		Water Districts	2013
Greg Sengelmann		Water Districts	2013
Steve Ramsey		Water Utilities	2013
Vic Hilderbran		GMA 7	Indefinite
Don Dietzmann		GMA 9	Indefinite
Daniel Meyer		GMA 10	Indefinite
Diane Savage		GMA 13	Indefinite
Art Dohmann		GMA 15	Indefinite

DRAFT

SCHEDULE FOR REPLACEMENT OF SCTRWPG MEMBERS

May 2, 2013

DATE:	DESCRIPTION:
Sunday, May 12, 2013	Publish Notice in the San Antonio Express News & Victoria Advocate Thursday paper
Monday, May 13, 2013	Mail notice of vacancy to each respective Interest within the Planning Area
Friday, June 21, 2013	Deadline for submitting nominations (40 days notice)
Thursday, July 11, 2013 (TENTATIVE)	Executive Committee to interview and recommend nominees (10:00 – 3:00 pm)
Thursday, August 1, 2013	SCTRWPG to consider Executive Committee's recommendation and appointment of voting members

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South Central Texas Regional Water Planning Group

c/o San Antonio River Authority
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DRAFT

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GMA 15

May 12, 2013

NOTICE TO PUBLIC

The South Central Texas Regional Water Planning Group (Region L), as established by the Texas Water Development Board in accordance with 31 TAC 357, is soliciting nominations to fill vacancies as voting members on the South Central Texas Regional Water Planning Group in the following interest areas: River Authorities, Water Districts, Water Utilities, Counties, Industries, Agricultural, Small Business and Public. Persons interested in Counties, River Authorities, Water Utilities and Water Districts interest areas must be nominated by the governing board or chief executive officer of an entity within the respective interest area.

A nomination form must be completed and submitted for each nominee to be considered. For specific definitions and eligibility requirements in each of the areas of interest and to obtain a nomination form, please contact Erin Newberry, (210) 302-3293 or enewberry@sara-tx.org.

The South Central Texas Regional Water Planning Area consists of Atascosa, Bexar, Caldwell, Calhoun, Comal, DeWitt, Dimmit, Frio, Goliad, Gonzales, Guadalupe, Karnes, Kendall, La Salle, Medina, Refugio, Uvalde, Victoria, Wilson, Zavala and part of Hays Counties.

Nominations must be received by 5:00 pm, Friday, June 24th, 2011, addressed to Con Mims, Chair, South Central Texas Regional Water Planning Group, c/o San Antonio River Authority, Attn: Erin Newberry, P.O. Box 839980, San Antonio, Texas 78283-9980, faxed to (210) 302-3692 or emailed to enewberry@sara-tx.org.

SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING GROUP

Nomination for Interest Group (check one):

□ Agriculture, □ Counties, □ Electric Generating Utilities,

□ Environmental, □Industries, □ Municipalities, □ River Authority, □ Water Districts

NOMINATOR

NAME:_____

ADDRESS:_____

PHONE:_____**FAX:**_____**EMAIL:**_____

OCCUPATION_____

NOMINEE

NAME:_____

ADDRESS:_____

PHONE:_____**FAX:**_____**EMAIL:**_____

INTEREST AREA:_____

COUNTY:_____

OCCUPATION:_____

PLEASE GIVE A BRIEF DESCRIPTION OF THE NOMINEE'S EXPERIENCE THAT WOULD QUALIFY HIM/HER FOR THE POSITION:

PLEASE LIST ANY PERTINENT AFFILIATIONS:

DATE SUBMITTED:_____

PLEASE ATTACH ADDITIONAL INFORMATION IF DESIRED

Nominations must be received by **5:00 p.m., Friday, June 21, 2013** addressed to Con Mims, Chair, South Central Texas RWPG, c/o San Antonio River Authority, Attn: Erin Newberry, P.O. 839980, San Antonio, Texas 78283-9980: Faxed to (210) 302-3692 or email to enewberry@sara-tx.org

South Texas Regional Water Alliance
10882 Jarratt Road
Atascosa, TX 78002

March 29, 2013

Con Mims
South Central Texas Regional Water Planning Group
c/o San Antonio River Authority
P.O. Box 839980
San Antonio, Texas 78283

Ref: Rural representation lacking on the Region L Planning Group

Dear Mr. Mims:

As you may not be aware I am currently the president of the South Texas Regional Water Alliance (STRWA). Our Alliance was established in 2006 and consists of rural interest to the West and South of Bexar County. Members include the Cities of Castroville, Charlotte, Devine, Hondo, La Coste, Natalia, Von Ormy, Water utilities of Atascosa Rural Water Supply Corp, East Medina County Special Utility District, McCoy Water Utility and Yancey Water Supply Corp. Our Alliance represents approximately 50,000 South Texans.

In the past we have attended Region L planning meetings, commented during public comment and submitted a water management strategy (Medina Lake Firm Up) with the former Bexar Metropolitan Water District for inclusion in the 2011 Region L Water Plan. More importantly since 2007, our Alliance has tried to obtain representation on the Region L planning group to ensure our interests are represented and being included. We believe that "true" rural representation on the Regional L group has been lacking.

Therefore we strongly encourage, for the next planning cycle, that the Region L group obtain representation from our alliance by either: reclassifying existing vacant position(s) to include rural interest West or South of Bexar County; discontinue the practice of reserving existing vacant positions for particular agencies in order to allow our members to fairly apply for vacant position(s) and or create a new position allowing representation from our interest group.

I look forward to discussing this further at your convenience and await a response. I can be reached at 830-709-3879.

Sincerely,

Bruce Alexander
President
South Texas Regional Water Alliance

SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING GROUP BYLAWS

2/2/2012

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ARTICLE I NAMES

Section 1 Organization

The official name of this organization shall be the "South Central Texas Regional Water Planning Group" (hereinafter "South Central Texas RWPG")

Section 2 Regional Water Planning Area

The official name of the regional water planning area designated as Region L by the Texas Water Development Board (hereinafter "TWDB") in accordance with 31 Texas Administrative Code (hereinafter "TAC") Chapter 357 on February 19, 1998, shall be the "South Central Texas Regional Water Planning Area" (hereinafter "South Central Texas RWPA"). The South Central Texas Regional Water Planning Area consists of Atascosa, Bexar, Caldwell, Calhoun, Comal, DeWitt, Dimmit, Frio, Goliad, Gonzales, Guadalupe, Karnes, Kendall, La Salle, Medina, Refugio, Uvalde, Victoria, Wilson, Zavala and part of Hays Counties.

ARTICLE II ESTABLISHMENT AND PURPOSE

The South Central Texas RWPG was established by appointment of an initial coordinating body of the TWDB on February 19, 1998, and subsequent additional appointments by the initial coordinating body. The purpose of the South Central Texas RWPG shall be to provide comprehensive regional water planning and to carry out the related responsibilities placed on regional water planning groups by state law, including Texas Water Code Chapter 16 and TWDB rules, including 31 TAC Chapters 355, 357 and 358, in and for the South Central RWPA.

ARTICLE III PRINCIPAL ADMINISTRATIVE OFFICE

The principal administrative office of the South Central Texas RWPG shall be the principal business offices of the San Antonio River Authority. The administrative officer of the South Central Texas RWPG for purposes of the Texas Open Records Act shall be designated and hold office until replaced by the South Central Texas RWPG. The Chair of the South Central Texas RWPG shall ensure that the mailing address and physical address of the principal office and administrative officer are provided to all members of the South Central Texas RWPG and the Executive Administrator of the TWDB.

ARTICLE IV RESPONSIBILITIES

The South Central Texas RWPG shall have the responsibility for performing the functions defined in Texas Water Code, Chapter 16 and in 31 TAC Chapters 355, 357 and 358 related to regional water planning groups for the South Central Texas RWPA. Foremost among those responsibilities shall be the development of a regional water plan for the South Central Texas RWPA that identifies both short and long-term water supply needs and recommends water management strategies for addressing them.

ARTICLE V VOTING MEMBERSHIP

Section 1 Composition

The initial voting members of the South Central Texas RWPG include the initial coordinating body appointed by the TWDB on February 19, 1998, plus the additional voting members appointed by the initial coordinating body to ensure adequate representation of the interests comprising the South Central Texas RWPA stated in Texas Water Code §16.053(c), if present and other interests determined by the South Central Texas RWPG, to include representatives appointed by Groundwater Management Areas in accordance with Section §16.053(c). Thereafter, the voting membership of the South Central Texas TWPG shall include persons added and exclude those removed as provided under this Article and any 31 TAC § 357.4(g)(4) member selected for voting membership under Article VI.

Section 2 Terms of Office

Except for members appointed by Groundwater Management Areas under Texas Water Code Section §16.053(c). Terms of office for voting members shall be five years

Section 3 Conditions of Membership

In order to be eligible for voting membership on the South Central Texas RWPG, a candidate must represent the interest for which a member is sought, be willing to participate in the regional water planning process, and abide by these Bylaws.

Section 4 Selection of Members

At least forty-five calendar days prior to the expiration of the term of a voting member, or within two weeks following a Planning Group meeting at which the Planning Group decides to replace a voting member, the South Central Texas RWPG will post public notice in a newspaper of general circulation in each county located in whole or in part in the South Central Texas RWPA soliciting nominations for a successor, identifying the particular interest for which nominations are sought, stating the conditions of membership, delineating the method for submitting nominations, and establishing a deadline for submission of nominations between thirty and forty-five calendar days from the date that public notice was posted. Members of the South Central Texas RWPG may also submit nominations in the manner prescribed in the public notice.

The Executive Committee will receive and process the nominations and after the deadline for submitting nominations, will recommend a nominee for the position to the voting membership as a whole, giving strong consideration to a consensus nominee from those individuals and entities that collectively represent that interest. The Executive Committee shall consider and report all nominations received but may consider only persons who meet the conditions of membership. The voting membership as a whole is not bound by the recommendation of the Executive Committee and may consider any nominee who meets the conditions of membership.

The voting members shall attempt to make a decision for a successor by consensus. If efforts to reach consensus fail, the Chair shall call for a vote on a nominee. An affirmative vote of a majority of the voting membership shall be required to elect a nominee as a new voting member. If voting fails to select a new voting member, the voting members shall consider other nominations until a

new member can be selected by consensus or affirmative majority vote of the voting membership.

In addition to selecting new voting members to fill vacancies caused by removal, resignation or the expiration of a term, the voting members may add members to ensure adequate representation of the interests comprising the South Central Texas RWPA by using the selection process set forth in this section. In both the consideration of nominees and the selection of new voting members, the Executive Committee and other voting members shall strive to achieve geographic, ethnic and gender diversity.

Outgoing voting members shall be given the opportunity to fully participate in the selection process for their successors and shall serve until successors take office. However, no member shall participate in a vote in which he/she is a nominee.

A membership created by a Groundwater Management Area in accordance with Texas Water Code §16.053(c) shall be maintained by that Groundwater Management Area. The Planning Group shall notify a Groundwater Management Area of a vacancy created by its appointed member.

Section 5 Attendance

All members shall make a good faith effort to attend all South Central Texas RWPG meetings and hearings. Records of attendance shall be kept by the Secretary at all South Central Texas RWPG meetings and hearings and presented as part of the minutes. Voting members of the South Central Texas RWPG who have missed three consecutive regular meetings, or at least one-half of all meetings in the preceding twelve months, shall be considered to have engaged in excessive absenteeism and are subject to removal from membership under Section 7 of this Article. The Planning Group shall notify any Groundwater Management Area of excessive absenteeism, as defined in this section, of a member appointed by that Groundwater Management Area under Texas Water Code §16.053(c) and request its consideration of replacing that member. Members are encouraged to notify the Chair if they will miss a meeting and/or send a designated alternate.

Section 6 Code of Conduct

Members and designated alternates of the South Central Texas RWPG shall ethically conduct the business of the South Central Texas RWPG and shall avoid any form or appearance of a conflict of interest, real or apparent, by observing the following:

(a) No member or designated alternate of the South Central Texas RWPG shall knowingly:
    (1) Solicit or accept gratuities, favors or anything of monetary value from suppliers or potential suppliers of services, materials or equipment, including subcontractors under recipient contracts or any other person who has a substantial financial interest in the regional water plan; or
    (2) Participate in the selection, award or administration of a procurement where the member or designated alternate has a financial or other substantive interest in the organization being considered for award. Such conflict may be due to any of the following having a financial or familial relationship with the organization:
        i) the member or designated alternate;

ii) the member's or designated alternate's family;
iii) the member's or designated alternate's business partner(s); or
iv) a person or organization that employs, or is about to employ any of the persons listed in (i)-(iii) above; or

(3) Participates in any deliberation, decision or vote that would constitute a conflict of interest under federal, state or local law.

(b) Potential conflicts of interest shall be clearly stated by the voting member or designated alternate prior to any deliberation or action on an agenda item with which the voting member or designated alternate may be in conflict. Where the potential conflict is restricted to a divisible portion of an agenda item, the Chair may divide the agenda item into parts for deliberation and voting purposes. An abstention from participation in deliberations, decisions or voting and the reasons therefore shall be noted in the minutes.

Section 7 Removal of Voting Members

(a) Grounds for Removal of Voting Members. The following shall constitute grounds for removal of a voting member:
(1) Engaging in excessive absenteeism as defined under Section 5 of this Article;
(2) Incapacity;
(3) Failure to abide by the code of conduct provisions set forth under Section 6 of this Article;
(4) appointment of a successor by the voting members upon expiration of the member's term;
(5) Change in status so that the member no longer represents the interest he/she was selected to represent;
(6) Falsifying documents;
(7) Any other serious violation of these Bylaws as may be determined by the voting members; or
(8) The voting member's designated alternate engages in any acts described in subdivisions (3), (6) or (7) of this subsection.

(b) Process for Removing Voting Members. Voting members may be removed at any time for any of the grounds for removal of voting members set forth in subsection (a) of this section. Any member with knowledge or suspicion that a voting member or designated alternate has engaged in acts or that events have occurred constituting grounds for removal under subsection (a) of this section shall report such information or suspicion to the Chair. The Chair, upon discovering or receiving such information, shall make a written request to that member for an explanation as to why he/she should not be removed from voting membership. The member shall make written response to the Chair within fifteen calendar days from the date of receipt of the Chair's request. Within five calendar days of receipt of the member's response, the Chair shall forward copies of the response to the Executive Committee. The Chair shall place an item on the next meeting agenda calling for the removal of the member if, 1) after meeting the Executive Committee continues to suspect that grounds for removal may exist; 2) the member fails to make a timely response to the Chair's request; or 3) the Chair or a majority of the Executive Committee requests its inclusion on the agenda after reviewing the written response from the accused member. At the meeting, the member subject to the possible removal action may request evidence of why he/she should not be removed. The voting members may remove the member by affirmative vote of a majority of the voting membership. The member subject to the removal

action shall not participate in any way in the removal decision, nor shall his/her membership count as part of the total voting membership for purposes of calculating the vote.

(c) A Groundwater Management Area whose appointed member has acted in a way that constitutes grounds for removal, under subsection (a), above, shall be so notified by the Planning Group with a request for the Groundwater Management Area's consideration of replacement of that member.

ARTICLE VI NON-VOTING MEMBERSHIP

Section 1 Mandatory Members

(a) The voting members of the South Central Texas RWPG shall add the non-voting members set forth in 31 TAC §357.4(g)(1)-(g)(3) and (g)(5) and accept the designees appointed by the entities set forth therein. Such designees shall have no terms of office and shall serve until replaced by the designating entity. However, if the voting members decide by consensus or affirmative majority vote of the voting membership, that a particular designee is hindering the regional water planning efforts of the South Central Texas RWPG, the Chair shall make a written request to the entity within ten calendar days requesting the designation of another person to serve as the entity's designee.

Section 2 Discretionary Members

The voting members of the South Central Texas RWPG may add or remove as a non-voting member an entity set forth in 31 TAC §357.4(h) by consensus or by a majority vote of the voting membership. If an entity is added, the Chair shall make a written request within ten calendar days to the entity requesting the designation of a person to serve until replaced by the designating entity or until the entity is removed as a non-voting member. However, if the voting members determine by consensus or by a majority vote of the voting membership that a particular entity's designee is hindering the regional water planning efforts of the South Central Texas RWPG but also that the entity should remain as a non-voting member, the Chair shall make a written request to the entity within ten calendar days requesting the designation of another person to serve as the entity's designee.

Section 3 Code of Conduct

All non-voting members shall comply with the code of conduct provisions under Section 6 Article V of these Bylaws.

ARTICLE VII DESIGNATED ALTERNATES

Each member may designate an alternate to represent him/her when he/she is unable to attend a meeting or hearing. Each member must notify the Chair of the name of the member's designated alternate prior to the meeting or hearing at which the designated alternate will appear on behalf of the member. If the member fails to provide such notice, the Chair may forbid the participation of the designated alternate at the meeting or hearing. The Chair shall not recognize the designation of more than one alternate per member at any given time.

The designated alternate shall enjoy the same voting privileges, or lack thereof, and shall be bound by the same duties, terms and conditions as the member they represent, except as otherwise provided in these Bylaws. However, a

designated alternate for a voting member who serves as an officer shall not be allowed to serve in the capacity as an officer in the member's absence.

Because it is important in achieving consensus for all members to participate actively, keep up-to-date on the progress of the group, and develop a common base of information, members shall in good faith attempt to minimize the number of time they are absent from meetings or are represented by their designated alternates.

The Administrative Officer shall maintain a current list of all members and their designated alternates.

ARTICLE VIII OFFICERS

Section 1 Officers; Restrictions and Terms of Office

Voting members of the South Central Texas RWPG shall elect from the voting membership a Chair, Vice-Chair and Secretary to serve as officers. Each officer shall serve a term of one calendar year. Except as provided under Section 4 of this Article, an officer shall serve a term of one calendar year. Except as provided under Section 4 of this Article, an officer shall serve until his/her successor takes office. No two voting members representing the same interest shall serve as officers at the same time. Elections shall be held annually, with no restrictions on the number of consecutive terms an individual may serve as an officer other than those that apply because of his/her status as a voting member under these Bylaws.

Section 2 Selection

Officers shall be elected at the first meeting of each calendar year. Nominations shall be made from the floor by voting members. The voting members shall elect officers from among the nominees by consensus or by affirmative vote of a majority of the voting membership.

Section 3 Removal of Officers

Any officer may be removed from office for any of the grounds for removal of voting members set forth under Article V of these Bylaws, or for repeated failure to carry out the duties of the office, by a consensus or by majority vote of the voting membership. Removal of an officer shall be set as an agenda item at the next scheduled meeting upon written request signed by five voting members to the Chair or Secretary. The Chair or Secretary receiving the request shall notify the officer in writing that he/she shall be subject to a removal action at the next scheduled meeting. At that meeting, the officer subject to the possible removal action may present evidence of why he/she should not be removed. If the Chair is the subject of the possible removal action, The Vice-Chair shall preside over the meeting during the agenda item concerning the Chair's removal. The officer subject to the removal action shall not participate in any way in the removal decision, nor shall his/her membership count as part of the total membership for purposes of calculating the vote. The notice of the meeting shall be posted in accordance with the Open Meetings Act and shall state that the issue of possibly removing the officer will be on the agenda. Any vacancy caused by the removal shall be filled as provided under Section 4 of this Article.

Section 4 Vacancies of Officers

Whenever an officer vacancy exists, the vacancy shall be filled at the next properly noticed South Central Texas RWPG meeting. Nominations shall be made from the floor by voting members. The voting members shall elect a replacement officer from among the nominees by consensus or by affirmative vote of a majority of the voting membership. The next highest-ranking officer shall serve in the vacant position until a successor takes office, unless the office of the Secretary becomes vacant, in which case the Chair shall appoint a willing voting member to serve as Secretary until the successor to the Secretary takes office. The person selected to fill a vacancy for an officer shall serve for the unexpired term of his/her predecessor in office.

Section 5 Duties of Each Officer

(a) Chair: The Chair shall e the executive officer of the South Central Texas RWPG. The Chair will preside at all meetings of the South Central Texas RWPG and perform all duties provided by these Bylaws. The Chair may establish and appoint such committees as may be necessary or desirable to assist in conducting the business of the South Central Texas RWPG, or as may be directed by the South Central Texas RWPG. If the Chair is unable to carry out his/her duties, the Vice-Chair shall assume the duties of the Chair.

(b) Vice-Chair: The Vice-Chair shall assist the Chair in the discharge of his/her duties and, in the absence of the Chair, shall assume the Chair's full responsibilities and duties. In the event the Chair is unable to carry out his/her duties, the Vice-Chair shall serve as Chair until the South Central Texas RWPG elects a new Chair under Section 4 of this Article. The Vice-Chair shall perform other duties as assigned by the Chair or these Bylaws.

(c) Secretary: The Secretary or the Administrative Officer shall maintain the minutes and take attendance of the South Central Texas RWPG meetings. The minutes and attendance shall be kept as part of the South Central Texas RWPG official records. The Secretary, or the Administrative Officer, shall ensure that all notices are properly posted as provided in the Bylaws, as required by law and as required by the Texas Open Meetings Act. The Secretary shall perform other duties as assigned by the Chair or these Bylaws. If both the Chair and Vice-Chair are unable to carry out the duties of the Chair, the Secretary shall assume the duties of the Chair.

Section 6 Executive Committee

The Executive Committee shall be composed of five South Central Texas RWPG members, including the Chair, Vice-Chair, Secretary and two members-at-large. No two voting members representing the same interest shall serve as members of the Executive Committee at the same time. The two members-at-large shall be elected annually in the same manner and with the same terms as set forth for the election of officers under this Article. Members-at-large shall be removed and their vacancies filled in the manner prescribed for officers under this Article.

The Executive Committee shall be responsible for carrying out the duties imposed on it in these Bylaws. The voting members of the South Central Texas RWPG may delegate any administrative decisions to the Executive Committee unless provided otherwise in these Bylaws.

All meetings of the Executive Committee shall comply with the provisions related to meetings generally as set forth in Article IX of these Bylaws.

ARTICLE IX MEETINGS

Section 1 Open Meetings and Notice

All meetings of the South Central Texas RWPG, its committees and/or sub-groups, shall be posted and open to the public in the manner of a governmental body under the Texas Open Meetings Act and as set forth in TWDB rules. All actions of the South Central Texas RWPG shall be deliberated and undertaken in open meeting, unless otherwise authorized by the Texas Open Meetings Act. The time and place of meetings shall be set to facilitate, to the greatest extent possible, the participation of the public in the regional water planning process. Copies of all materials presented or discussed shall be made available for public inspection prior to and following any meeting of the South Central Texas RWPG, to the extent reasonably possible.

Section 2 Regular or Called Meetings

At the first meeting of each calendar year, the South Central Texas RWPG shall establish and adopt a regular meeting schedule for the ensuing year. The Chair or a majority of the voting members of the South Central Texas RWPG may also call a special or emergency meeting of the South Central Texas RWPG. The Secretary or Administrative Officer shall ensure that an advance notice and an agenda for regular meetings will be provided to the full membership of the South Central Texas RWPG at least seven calendar days in advance by first class U.S. Mail, facsimile or electronic mail. Supporting information and member-requested materials shall be distributed to the full membership with the notice and agenda or at the meeting, as deemed appropriate by the Chair.

Section 3 Agenda

The Secretary of the South Central Texas RWPG shall ensure that agendas are prepared and distributed for all meetings, in accordance with this Article. Items shall be placed on the agenda at the request of any voting member of the South Central Texas RWPG. Copies of the agenda and all supporting information shall be made available for public inspection prior to and following any meeting of the South Central Texas RWPG.

Section 4 Quorum

A quorum of the South Central Texas RWPG shall be a simple majority of the voting members or their designated alternates excluding vacancies. No less than a quorum shall be necessary to conduct any business of the South Central Texas RWPG.

Section 5 Applicability of Robert's Rules of Order

Except as otherwise provided in these Bylaws, meetings of the South Central Texas RWPG shall be conducted under the provisions of the most current edition of *Robert's Rules of Order*. However, failure to follow such rules shall not constitute grounds for appeal of an action or a decision of the South Central Texas RWPG.

Section 6 Public Meetings Required by Law

The South Central Texas RWPG shall post notice and conduct public meetings specifically required by statute and/or TWDB rule, including those set forth for preplanning, draft regional water plan presentation, adoption of amendments to the regional water plan, and final regional water plan adoption, in accordance with the requirements of the relevant state law and/or TWDB rules. Notification requirements may be different from those in Section 1 of this Article and are specifically delineated in Texas Water Code §16.053 and/or31 TAC §357.12.

Section 7 Minutes

(a) The Secretary shall ensure that minutes of all meetings of the South Central Texas RWPG are prepared. The minutes shall:
   (1) state the subject of each deliberation;
   (2) indicate each vote, order, decision or other action taken;
   (3) indicate those members in attendance, noting the presence of a quorum, and noting the presence of those members of the public who participate in the course of the meeting;
   (4) represent an accurate summary of the meeting's record; and state any other information required by these Bylaws to be included in the minutes.

(b) The Secretary shall ensure that true copies of the minutes are provided to the full membership as soon as possible following the meeting.

ARTICLE X MAKING DECISIONS

Section 1 Applicability; No Written Proxies

(a) Unless the method for making a particular decision is set forth in these Bylaws, the South Central Texas RWPG, its committees and subgroups shall make all decisions using the process set forth in Section 2 of this Article

(b) Written proxies shall not be allowed in any decision-making by the South Central Texas RWPG, its committees or its subgroups. However, designated alternates shall be allowed to participate in decision making as set forth in these Bylaws. (Moved to Article VII)

Section 2 Decision-Making Process

(a) Use of Consensus. The South Central Texas RWPG shall attempt to make decisions using a consensus decision-making process. Consensus is an agreement built by identifying and exploring all members' interests and by assembling a package agreement which satisfies these interests to the greatest extent possible. A consensus is reached when all voting members agree that their major interests have been taken into consideration and addressed in a satisfactory manner so that they can support the decision of the group. The process of building consensus involves the development of alternatives and the assessment of the impacts of those alternatives.

Consensus does not necessarily mean unanimity. Some members may strongly endorse a particular solution while others may accept it as a workable agreement. A member can participate in the consensus without embracing each element of the agreement with the same fervor as other members, or necessarily having each of his/her interests satisfied to the fullest extent. In a consensus agreement, the members recognize that, given the combination of gains and trade-offs in the decision package and given the current circumstances and alternative options, the resulting agreement is the best one the voting members can make at this time.

(b) Failure to Reach Consensus. If after good faith negotiations it appears likely to the Chair that the voting members will be unable to reach consensus, the Chair shall entertain the following:
   (1) a motion to put the issue to a vote to be conclusively decided by agreement of a majority of the voting membership; or

(2) a motion to put the issue to a vote as to whether to submit the issue to Alternative Dispute Resolution ("ADR") as set forth under Section 3 of this Article and identifying the members that shall participate in the ADR procedure ("ADR members"), such motion to be decided either by consensus or agreement of not less than a majority of the voting membership.

(c) Decision-Making Process for Committees. Committees established in accordance with these Bylaws shall use the process described in subsection (a) and (b)(1), above.

Section 3 Alternative Dispute Resolution

(a) If a vote under Section 2 (b)(2) of this Article prevails, the ADR members shall agree upon the method of ADR and the use of a mutually acceptable impartial third party to facilitate resolution of the dispute. The ADR procedures shall be in writing, shall be executed by all ADR members before ADR begins, and shall include the following:

(1) The type or series of ADR criteria determined by all ADR members to be appropriate for the size and complexity of the issue, project or proposed action in dispute;

(2) The length of time to be allowed the parties to engage in any ADR procedure;

(3) The name(s) of the impartial third party who will facilitate any process, procedure or method by which a resolution may be agreed upon;

(4) An agreement between all ADR members as to the method of payment for any costs associated with an ADR procedure, such method being subject to approval by the South Central Texas RWPG;

(5) An agreement between all ADR members that the impartial third party may not compel the ADR members to enter into a binding agreement, nor shall the impartial third party have the authority to sanction or penalize any ADR member;

(6) An agreement between all ADR members that, by mutual consent, they may permit persons who are not ADR members to be included as participants in discussion and as experts;

(7) An agreement between all ADR members that they will continue with ADR procedures through the time frame established in subdivision (2) of this subsection until a settlement is reached, one of the ADR members withdraws from the process, or the impartial third party concludes and informs the parties that ADR measures are not working; and

(8) An agreement between all ADR members that any ADR procedure used shall provide the method(s) by which any agreement between the parties shall become effective, such as a change order to a plan or a written agreement governing the issue.

(b) An agreement or settlement reached under this section shall not become binding on the ADR members until all ADR members agree in writing to all of the terms of the agreement or settlement.

(c) If the ADR members reach an agreement on the issue, the voting members shall once again consider the issue using the decision-making process set forth under Section 2 of this Article. However, if the voting members fail to reach consensus on the issue a second time, the Chair shall call for a vote as provided under Section 2(b)(1) of this Article. The

parties shall use the procedures set forth in this Article until the issue is resolved or abandoned.

Section 4 Final Adoption of Regional Water Plan; Amendments

The voting members of the South Central Texas RWPG shall finally adopt the regional water plan for the South Central Texas RWPA and any amendments thereto in accordance with this article.

ARTICLE XI BOOKS AND RECORDS

Section 1 Required Documents and Retainment

Records of the South Central Texas RWPG, in accordance with the Public Information Act, shall be kept at the principal office of the South Central Texas RWPG for a period of at least five years. Minutes shall be maintained at the principal office of the South Central Texas RWPG for as long as the South Central Texas RWPG exists and for a period of five years thereafter.

Section 2 Inspection and Copying

Records of the South Central Texas RWPG shall be available for inspection and copying at the principal administrative office during normal business hours. Procedures and fees for copying and inspection shall be the same as those used by the political subdivision housing the principal office of the South Central Texas RWPG for inspection and copying of its own public records.

Section 3 Availability of Reports

All reports, planning documents and work products resulting from projects funded by the TWDB shall be made available to the TWDB, the Texas Parks and Wildlife Department and the Texas Commission on Environmental Quality or their successor agencies. At least one copy of the approved regional water plan shall be placed in the county clerk's office for each county and in at least one public library of each county having land within the South Central Texas RWPA, in accordance with state law.

ARTICLE XII COMMITTEES

Section 1 Establishment

The South Central Texas RWPG may by motion establish committees and subgroups to assist and advise the South Central Texas RWPG in the development of the regional water management plan. The committee or subgroup may be formed to address specific issues assigned by the South Central Texas RWPG and may have a specified term of membership.

Section 2 Membership

Membership in the committees and subgroups shall generally follow the requirements and procedures of Article V of these Bylaws; membership of the committees and subgroups should be inclusive, rather than exclusive, in nature; the interests identified in the initial coordinating body will be invited to participate, as well as other interests that have been identified. Appointment to committees or subgroups shall be made by the Chair. The terms of office for all members of committees and subgroups shall be either upon the expiration of the term, if any, specified by the South Central Texas RWPG in the establishing motion for the

committee or subgroup, or upon the expiration of the persons' membership in the South Central Texas RWPG.

Section 3 Officers

The Chair, Vice-Chair and Secretary of a committee or subgroup established by the South Central Texas RWPG shall be elected from the members of the committee or subgroup. The Chair, Vice-Chair and Secretary of the committee or subgroup established by the South Central Texas RWPG shall be elected to their respective offices by a majority affirmative vote of the members of the committee or subgroup. Additional committee or subgroup officers with associated responsibilities may be created as necessary by a majority affirmative vote of the members of the committee or subgroup. The additional officers shall be elected by a majority affirmative vote of the members of the committee or subgroup.

Section 4 Meetings

Requirements and procedures for committee or subgroup meetings shall follow those established in Article IX of these Bylaws, including requirements for notice. Committees or subgroups may adopt their own rules of procedure, if authorized by the South Central Texas RWPG and the rules are not in conflict with stat law, TWDB rules or these Bylaws.

Section 5 Books and Records

Requirements and procedures for committee or subgroup books and records shall follow those established for the South Central Texas RWPG in Article XI of these Bylaws.

Section 6 Code of Conduct

Members of a committee or subgroup are subject to the requirements of Article V, Section 6 of these Bylaws.

ARTICLE XIII COMPENSATION AND REIMBURSEMENT

Section 1 Compensation

Members of the South Central Texas RWPG are not to be compensated for their time.

Section 2 Reimbursement

Reimbursement of a South Central Texas RWPG member's expenses will be issued from the local agency funds made available through interlocal funding agreements. Requests for reimbursement of travel and other expenses must meet the following requirements to be eligible:

a. The member must submit a completed Expense Report and appropriate receipts.
b. Requested reimbursement for travel expenses must be in conformance with the State rate that is in effect at the time the travel was conducted.
c. The Administrative Agency will issue a check to the member after the completed expense report has been approved by the Chair or Vice-Chair of the South Central Texas RWPG and the mileage and rates have been verified.

All expenses, except those specifically listed below, are eligible for reimbursement under this policy:

a. Cost incurred by a South Central Texas RWPG member eligible for reimbursement by the member's employer.

ARTICLE XIV CONTRACTUAL SERVICES

The voting members of the South Central Texas RWPG shall make all decisions related to final approval of persons or entities selected to provide contractual services for the South Central Texas RWPG, including all services related to preparation, development or revisions of the regional water plan for the South Central Texas RWPA. However, the voting members may delegate to the Executive Committee the authority to make all administrative decisions concerning amendments to TWDB Research and Planning Fund grant contracts for services related to regional water planning, except those decisions concerning amendments related to scopes of work and budgets.

ARTICLE XV ADOPTING AND AMENDING THE BYLAWS

These Bylaws shall have full force and effect upon approval and adoption by the voting members of the South Central Texas RWPG, acting on behalf of the interests comprising the South Central Texas RWPA, and upon submission to the TWDB in compliance with 31 TAC § 357.4. The voting members shall adopt these Bylaws and any amendment thereto by consensus or by affirmative vote of not less than two-thirds of the voting membership. The Secretary shall ensure that proposed amendments to the Bylaws are provided to the full membership no later than ten calendar days prior to the next regular meeting of the South Central Texas RWPG when such amendments are to be considered.

February 2, 2012

Chair **Date**
South Central Texas
Regional Water Planning Group

AGENDA ITEM 9

Report, Discussion and Appropriate Action from Work Groups

- Eagle Ford Shale Work Groups – Suzanne Scott, Chair
    - Presentation by UTSA Institute for Economic Development – Region L Eagle Ford Shale Population Projection Study, Dr. Thomas Tunstall, Ph.D., Research Director

- Carrizo Aquifer Work Group – Greg Sengelmann, Chair

Carrizo Aquifer WMS Work Group Meeting
Monday, April 15, 2013 at 2:00 pm

Attendees:
Greg Sengelmann, Chair
Sam Vaugh, HDR
Brian Perkins, HDR
Con Mims
Don Dietzmann
Gary Guys
Steven Siebert
Alan Cockerell
Jeanne Schnuriger
Matt Nelson
Kevin Janak
Steve Raabe
Erin Newberry
Julia Velez

The initial meeting of the Region L Work Group for the Carrizo Aquifer WMS' was held at the offices of the San Antonio River Authority on Monday, April 15, 2013. Agenda items discussed were as follows:

1. Review and Discussion of MAGs

   HDR had provided a excel spreadsheet breaking out the Carrizo-Wilcox Aquifer MAG and permit information they had to date. The spreadsheet was broken down by county, aquifer, GCD, etc. After discussions to clarify TWDB's statement of "not breaking the MAG", Greg Sengelmann requested HDR redo the spreadsheet to reflect the Carrizo Aquifer information separate from the Wilcox Aquifer, with the understanding that the final plan will reflect both aquifers as combined. . In addition, a clarification was made that the MAG is "Modeled Available Groundwater", and includes what has been permitted, grandfathered, exempt use, and what may remain to be permitted. Matt Nelson confirmed the groups understanding that there will be no "breaking" of the MAG and no WMS' allowed that would exceed the MAG.

2. Review and Discussion of Existing Permits by Groundwater Districts

   With TWDB looking at decadal use of water, the question became should we be looking at what is permitted or what is being pumped? After discussions, it was determined that for planning purposes, the group should be looking at what the GCD's have permitted, whether it's being fully utilized at a certain decade or not. Although some permitted water will be phased in over time, it was assumed that the total amount would be fully used.

In some instances, the dedicated (water that has been permitted, grandfathered, and/or exempt use) amount will be less than the MAG, in which case WMSs may be considered. In others, the dedicated amount may be greater than the MAG, in which case the existing supplies associated with the permits and/or grandfathered amounts may need to be cut back so that the MAG is met. No decision was made regarding how to handle these situations until further information is received.

In response to a question on whether to use DFC's or MAG's in figuring out possible available groundwater (permitted or pumping), HDR and TWDB provided clarification on a DFC and a MAG with the answer being the MAG numbers are to be used. Permitted or "dedicated" water is what was provided by a GCD for modeling by TWDB and that information was input as pumpage to provide the MAG. Per TWDB, if you follow the MAG, the DFC will be achieved in terms of pumping.

3. Review and Discussion of Existing and Future Exempt Use by Groundwater Districts

   The discussion followed an example of the types of use the Gonzales County GCD provided to TWDB to model, including exempt use, and whether or not all other GCD's did the same. A second discussion centered on how districts account for "dedicated" water. For example, the Gonzales County GCD has permitted, exempt, and grandfathered types of use to total against their MAG, but other GCD's may not use the same classification system. Mr. Sengelmann asked HDR to contact the GCD's for an accurate account of their "dedicated" water amounts to assess versus MAG numbers and also collect information on the actual water produced.

4. Review and Discussion of Water Availability for WMS – not at this time

5. Review and Discussion of WMS in 2011 RWP – not at this time

6. Set Date, Time, and Location of Next Meeting – a Doodle Poll was sent to the group on Tuesday, April 16, 2013 to schedule next work group meeting.

In addition, for additional resources and information, Mr. Sengelmann asked HDR Engineering provide the cross county numbers and aquifer numbers.

NOTE: The next meeting of the Carrizo Aquifer WMS Work Group was scheduled for Wednesday, May 22, 2013 at 1:00 pm at the offices of the San Antonio River Authority

AGENDA ITEM 10

Discussion and Appropriate Action Regarding Consultants Work and Schedule

2016 South Central Texas Regional Water Plan

Proposed Workplan for Development

Tasks	Description	Complete 2012 Oct	Nov	Dec	Jan	Feb	Mar	Apr	2013 May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2014 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2015 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Task 1	**Planning Area Description**																																						
Task 2a	**Non-Pop. Based Demand Projections**						★						★																											
Task 2b	**Population & Demand Projections**								★				★																											
Task 3	**Water Supply Analyses**																																						
EAHCP	**Implementation**																																						
TAP	**Whooping Crane Lawsuit**																																						
Task 4	**Water Management Strategies**																																						
Task 4a	Needs Assessment											★																											
Task 4b	ID Potentially Feasible WMSs																																						
Task 4b.1	WMS Verification											★																											
Task 4c	Technical Memorandum																																						
Task 4d	WMS Technical Evaluations						★		★			★			★																										
Task 5	**Conservation Recommendations**																																						
Task 6	**Long-term Resource Protection**																																						
Task 6.1	Cumulative Effects of RWP																																						
Task 7	**Drought Response Information**																																						
Task 8	**Policies & Recmdtns / Unique Sites**																																						
Task 9	**Infrastructure Funding**																																						
Task 10	**Plan Adoption**																													★						★			
Task 11	**Implement. & Compare to Prv RWPs**																																						

Technical Memorandum: ***May 1, 2014***

IPP Deadline: May 1, 2015

RWP Deadline: November 2, 2015

Legend:

- ★ ***SCTRWPG Action***
- ★ ***TWDB Action***
- ***Scheduled SCTRWPG Meeting***
- ***Probable SCTRWPG Meeting***

Potential Issues For The 2016 SCTRWP

May 2, 2013

1) Carrizo Aquifer in Northern Gonzales County (Status: Workgroup Underway)
   a) Multiple Potentially Feasible Projects Exceed MAG
   b) TWDB will not allow for over-allocation in the 2016 RWP

2) Importing Groundwater from Other Regions (Status: No Action Thus Far)

3) Meeting Needs of Formosa (Status: Con Mims has discussed with LNRA)
   a) Coordination with Regions P and N

4) Implementation of TCEQ Estuary Environmental Flow Standards (Status: Awaiting TCEQ)

5) Population and/or Water Demand Projections Revisions (Status: Survey Sent & Feedback Received)

6) Eagle-Ford Shale Demands – Direct, Indirect, and Induced (Status: Workgroup Underway; UTSA Study in Draft)

7) Whooping Crane Litigation (Status: District Court Decision Stayed Pending Appeal; Oral Arguments in August)

8) Meeting Steam-Electric Needs in Victoria County (Status: No Action Thus Far)

9) Inter-Regional Coordination (e.g. SAWS Competitive Sealed Proposals) (Status: No Action Thus Far)

10) Pending Legislation

AGENDA ITEM 11

Discussion and Appropriate Action Regarding Population and Population-Related Water Demand Projections (Task 2B) Recommendations to TWDB

Draft Population & Water Demand Projections Survey Results

2016 South Central Texas Regional Water Plan

May 2, 2013

Overall Survey Results

- **Draft Population & Water Demand Projections Sent/Shown to 140 Total WUGs**
  - **137 Water User Groups (WUGs) Were Sent The Survey**
  - **Met with Wholesale Water Providers (WWPs) that are also WUGs (3)**
- **Draft Population & Water Demand Projections Seen By 73 WUGs (52.1%)**
  - **Represent 85.6% of Population**
- **12 Commented On Information Presented (8.6%)**
  - **4 Were Comments To Be Handled at Region Level**
  - **8 Request Revisions from TWDB**

4 Handled Internally

- **Springs Hill WSC** & **Seguin**
  - Accounted for Springs Hill WSC / City of Seguin overlap in Springs Hill WSC WWP Table
- **Somerset**
  - Sold to BMWD; Now serviced by SAWS
- **Crystal Clear WSC**
  - Provided information regarding supply sources

8 Revision Requests

- **Cibolo**: Revise Population Up; Census Appeal; Expanded CCN

	2020	2030	2040	2050	2060	2070
TWDB Population	18,702	22,485	26,356	30,141	33,994	37,777
Cibolo Population	37,000	54,800	71,200	89,000	106,800	122,800
TWDB Water Demand (acft/yr)	2,666	3,163	3,687	4,202	4,729	5,252
Cibolo Water Demand (acft/yr)	5,274	7,812	10,150	12,687	15,225	17,505

- **Comal County**: Revise Population Up; Use 1.0 Migration Scenario; Documentation = Demographer Data

	2020	2030	2040
TWDB Population	139,075	173,136	207,752
Comal County Population	151,926	204,334	260,075

- **Converse**: Revise Population Down; Revise GCPD Up; Vickery & Associates Report

	2020	2030	2040	2050	2060	2070
TWDB Population	23,588	28,941	33,862	38,590	42,928	46,886
Converse Population	23,289	25,936	28,193	28,193	28,193	28,193
TWDB Water Demand (acft/yr)	2,567	3,050	3,506	3,962	4,397	4,798
Converse Water Demand (acft/yr)	4,893	5,447	5,921	5,921	5,921	5,921

8 Revision Requests (cont)

- **Cotulla**: Revise Population (Up) and Water Demands (Up); No Documentation

	2020	2030	2040	2050	2060	2070
TWDB Population	4,069	4,457	4,819	5,226	5,577	5,902
Cotulla Population	15,000	18,000	20,000	22,000	25,000	35,000
TWDB Water Demand (acft/yr)	1,270	1,369	1,464	1,579	1,684	1,781
Cotulla Water Demand (acft/yr)	3,363	3,500	4,492	4,600	5,605	5,800

- **Fair Oaks Ranch**: Revise Population (Up) and GPCD (Down); AECOM Study

	2020	2030	2040
TWDB Population	7,126	8,383	9,665
Fair Oaks Population	7,841	9,191	10,301
TWDB Water Demand (acft/yr)	1,889	2,197	2,520
Fair Oaks Water Demand (acft/yr)	1,809	2,111	2,354

8 Revision Requests (cont)

- **SS WSC**: Revise Population Up - Should Be 6.6% Higher; H20 Analytics Study

	2010	2012	2020
Census (2010)	12,987		
SS WSC Population (2012)		13,846	
TWDB Population (2020)			16,420

- **San Marcos**: Revise Population Up; Revise GPCD Down; Revise Water Demand Up; Study by Lloyd Potter (State Demographer)

	2020	2030	2040	2050	2060	2070
TWDB Population	55,097	66,844	81,146	99,025	119,228	142,220
San Marcos Population	71,117	84,818	101,159	120,648	143,892	171,614
TWDB Water Demand (acft/yr)	9,319	11,081	13,180	15,973	19,232	22,940
San Marcos Water Demand (acft/yr)	9,201	10,617	12,379	14,595	17,206	20,521
TWDB Water Use (gpcd)	151	148	145	144	144	144
San Marcos Water Use (gpcd)	116	112	109	108	107	107

8 Revision Requests (cont)

- **Schertz**: Revise Population Up; Based on 3% Annual Increase; Kept GPCDs

	2020	2030	2040	2050	2060	2070
TWDB Population	38,638	46,726	54,977	63,065	71,266	79,294
Schertz Population	43,083	57,900	77,435	99,123	126,267	153,164
TWDB Water Demand (acft/yr)	6,246	7,415	8,640	9,864	11,125	12,371
Schertz Water Demand (acft/yr)	6,949	9,210	12,143	15,544	19,660	23,848

AGENDA ITEM 12

Discussion and Appropriate Action Regarding Draft Water Needs Analysis (Task 4A & 4B) to be Refined and Included in the Preparation of the Needs Analysis Survey (Phase 2 of Online Survey)

MUNICIPAL NEEDS

Bexar County Municipal Needs Summary

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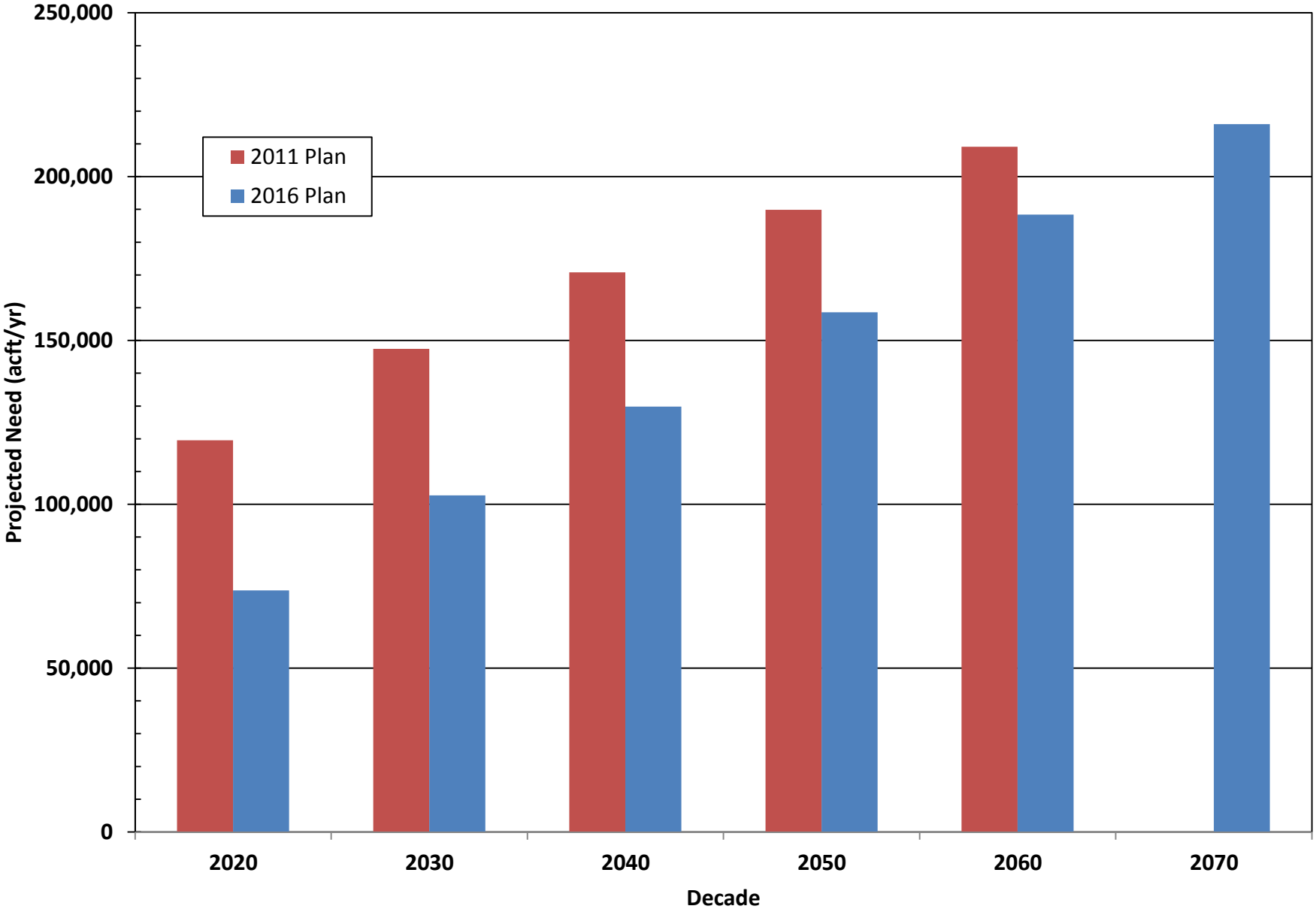

Calhoun County Municipal Needs Summary

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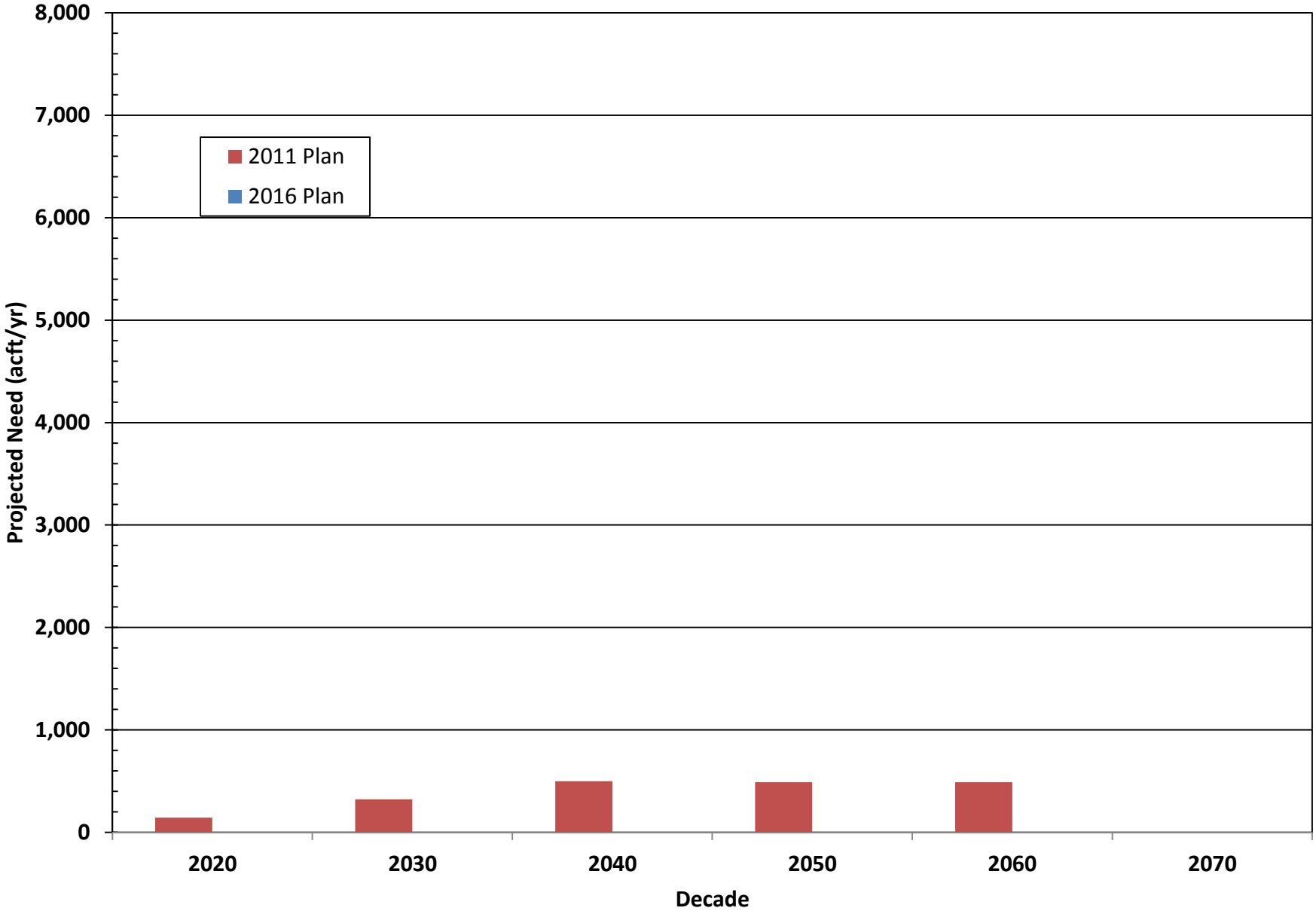

Comal County Municipal Needs Summary

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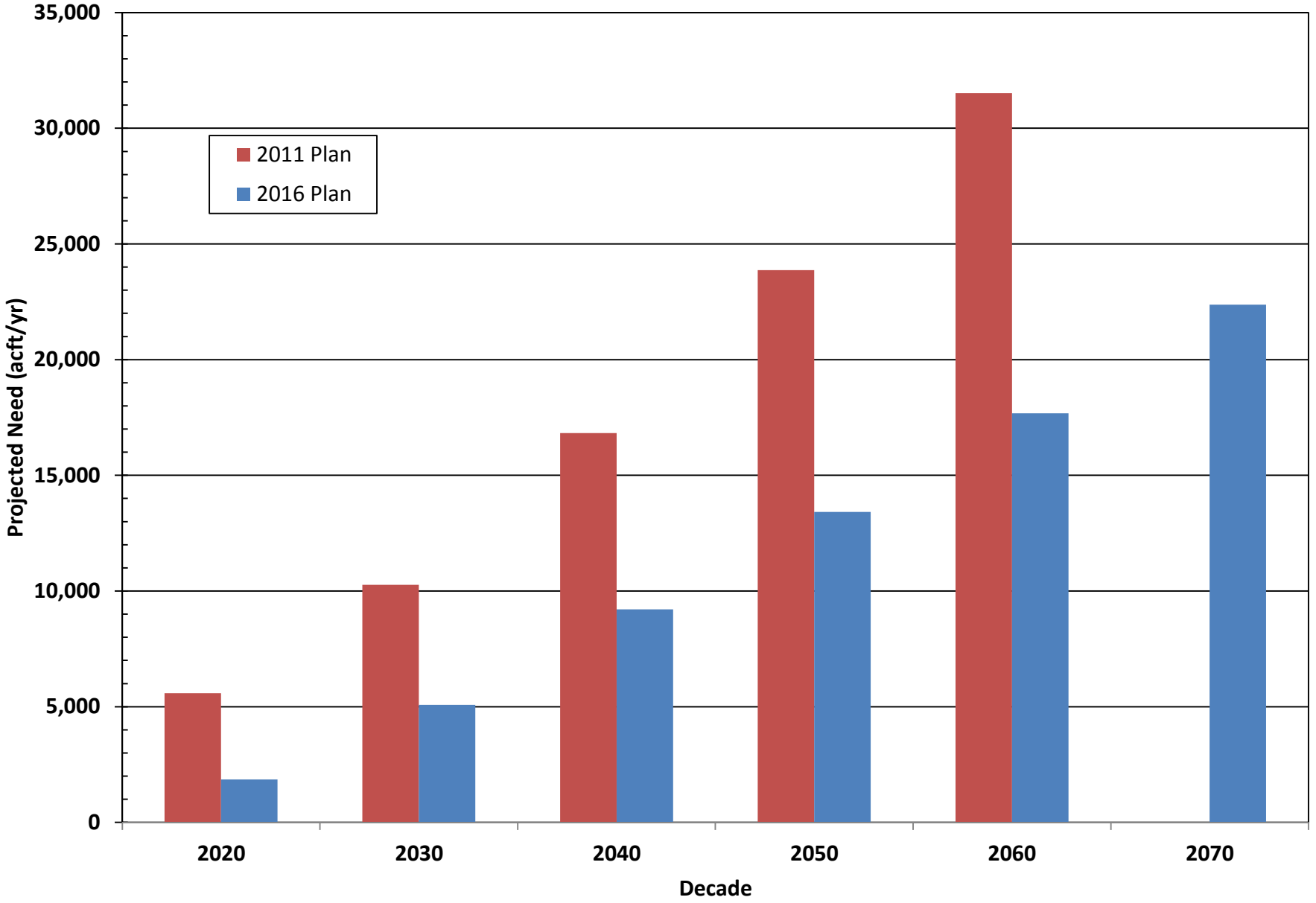

DeWitt County Municipal Needs Summary

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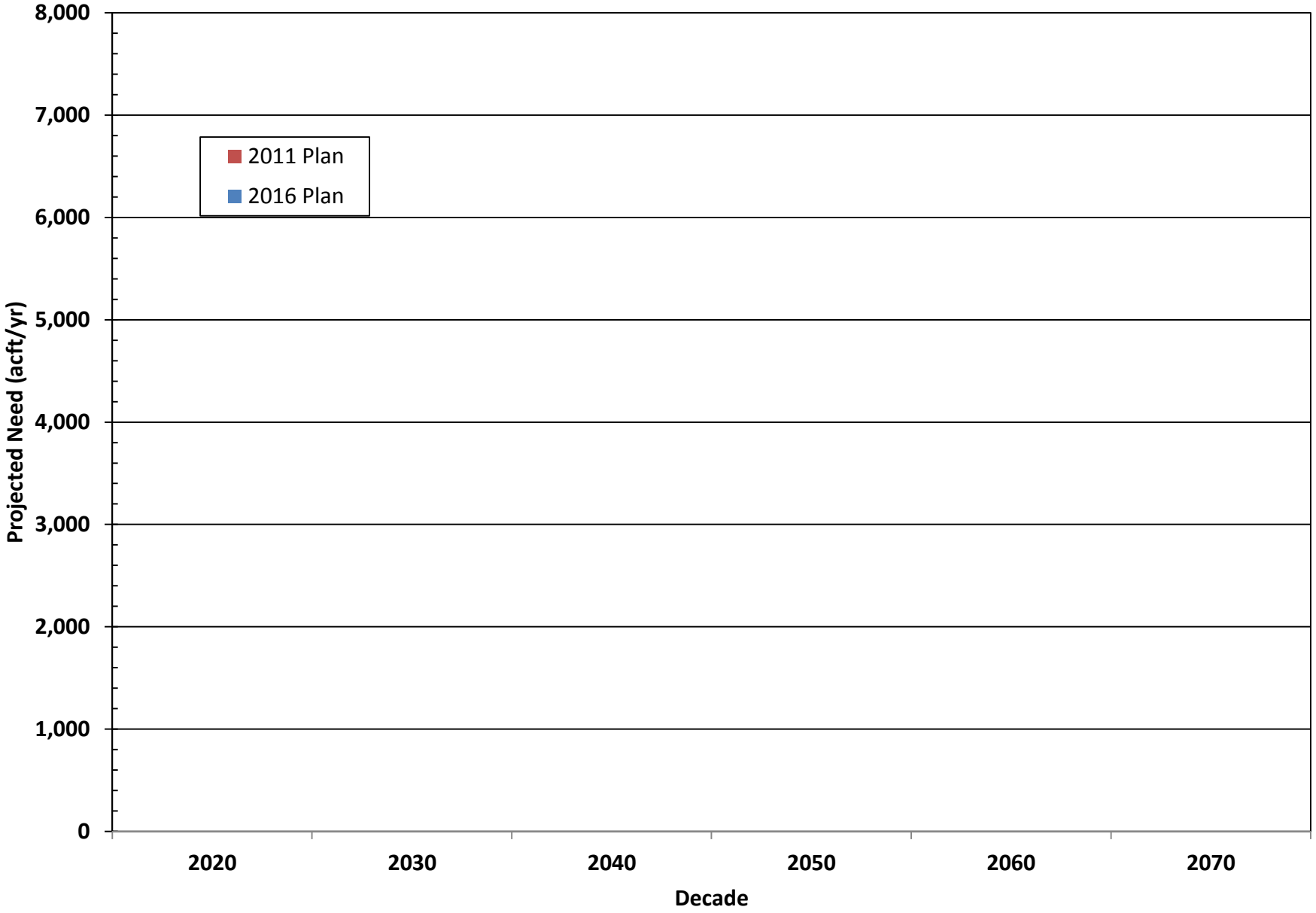

Dimmit County Municipal Needs Summary

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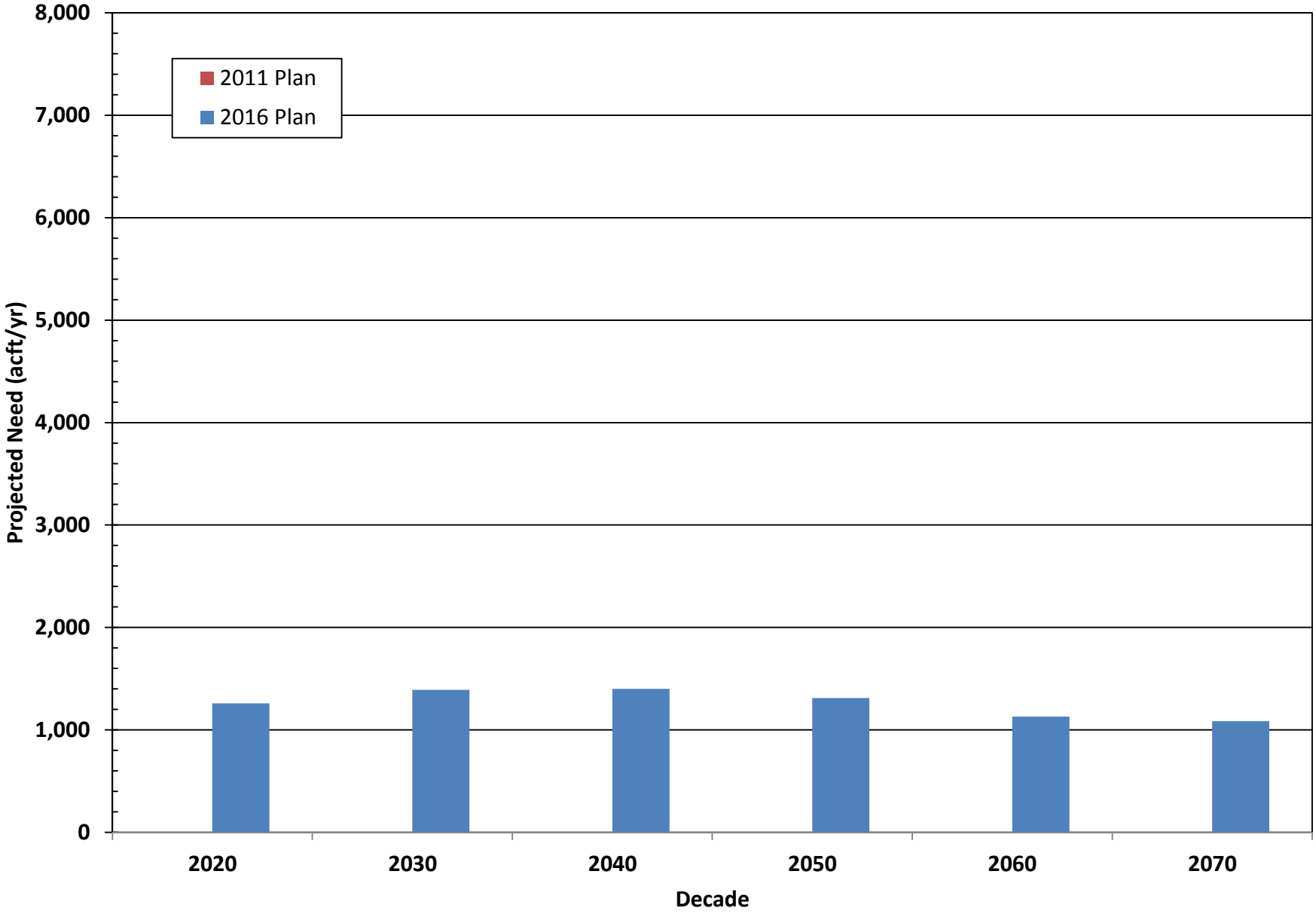

Gonzales County Municipal Needs Summary

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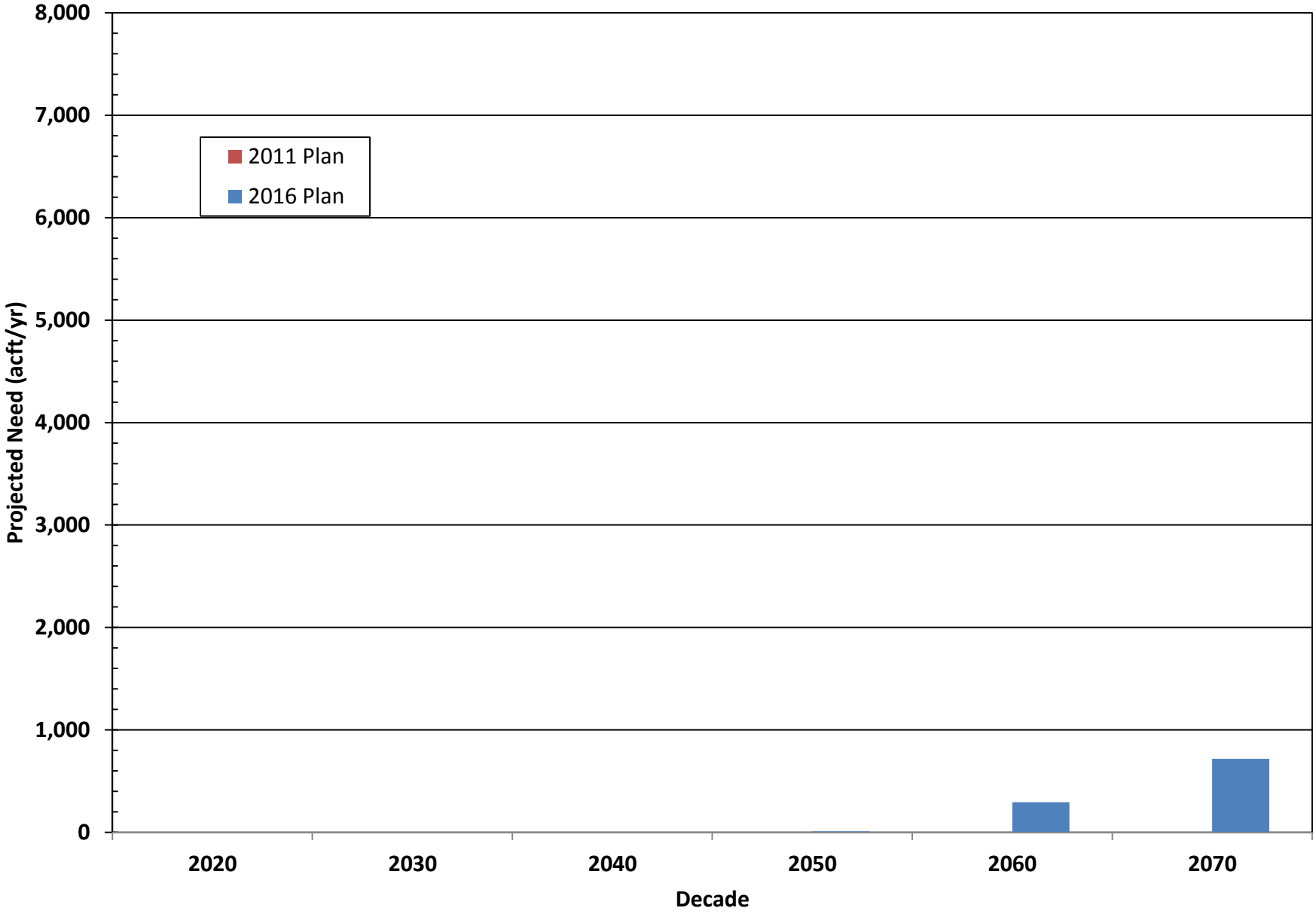

Hays County Municipal Needs Summary

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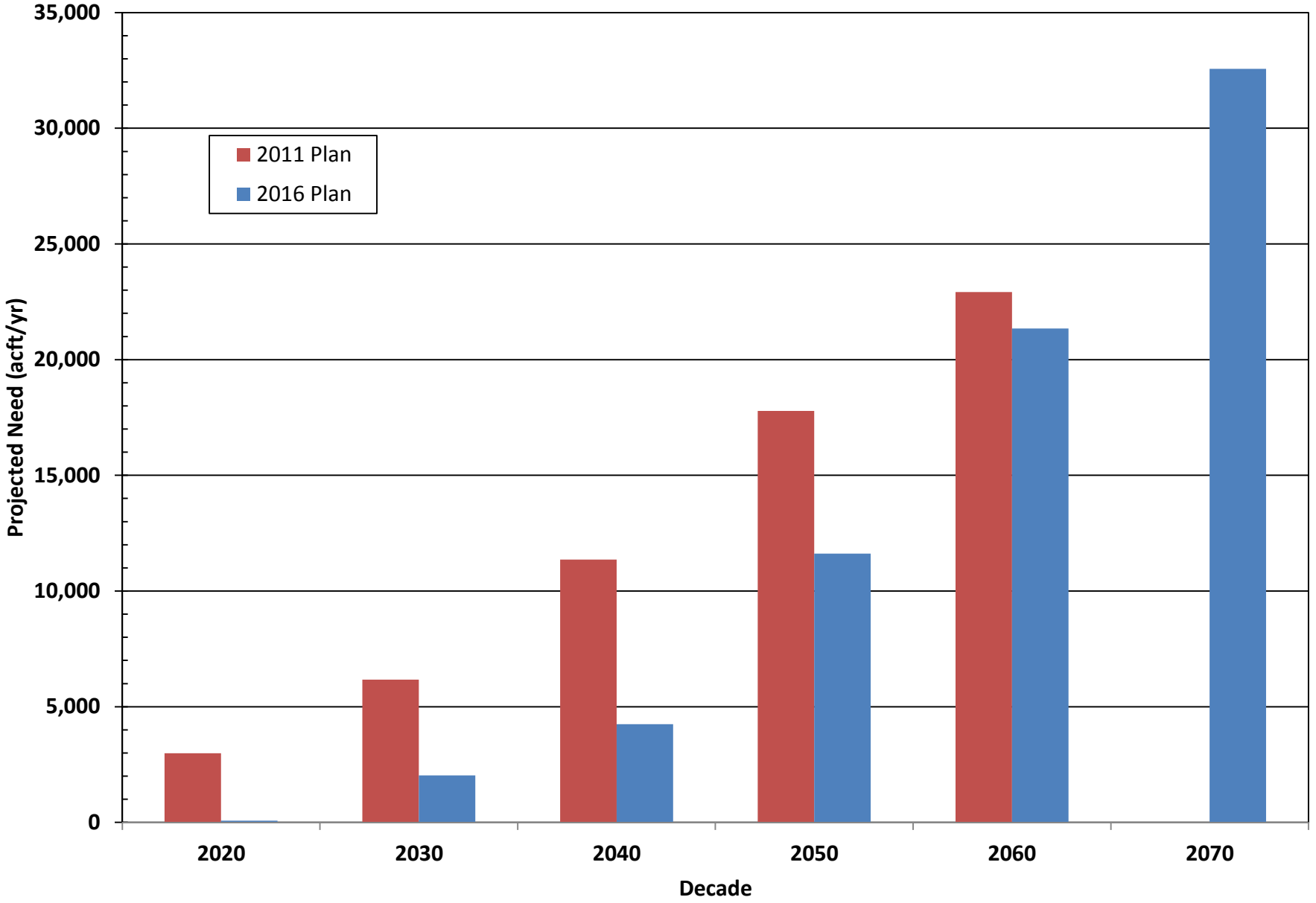

INDUSTRIAL NEEDS

Bexar County Manufacturing Needs Summary

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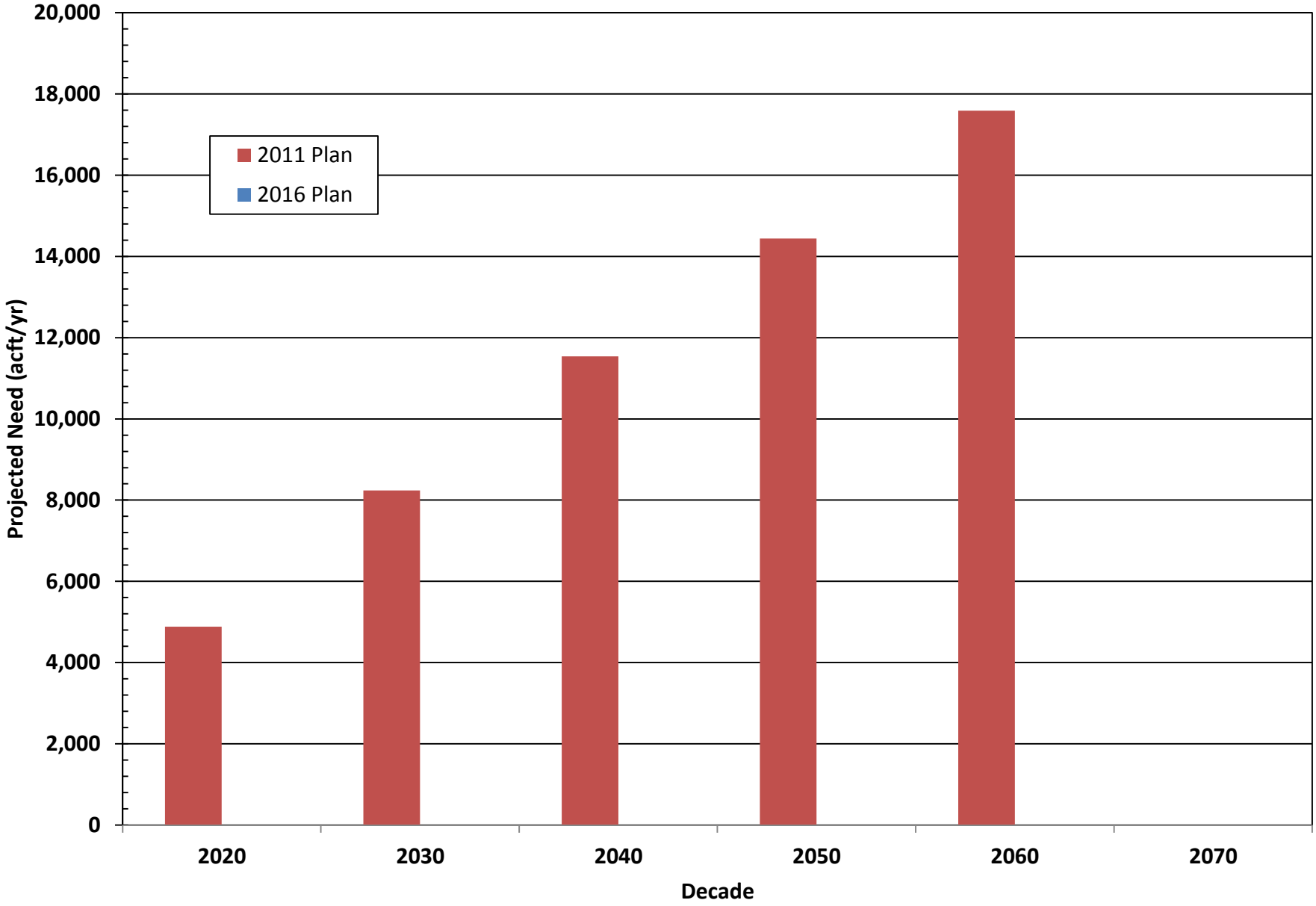

Calhoun County Manufacturing Needs Summary

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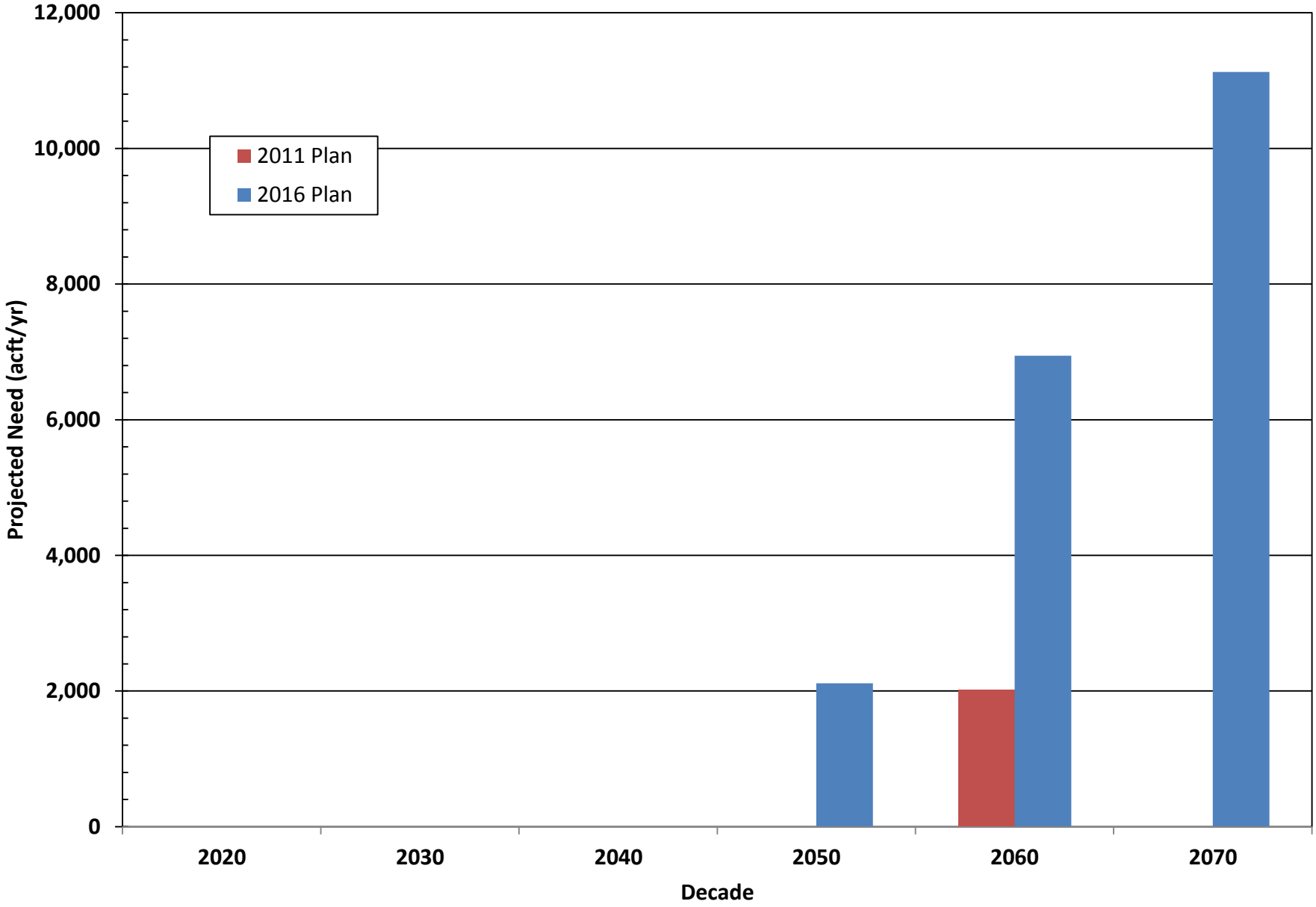

Comal County Manufacturing Needs Summary

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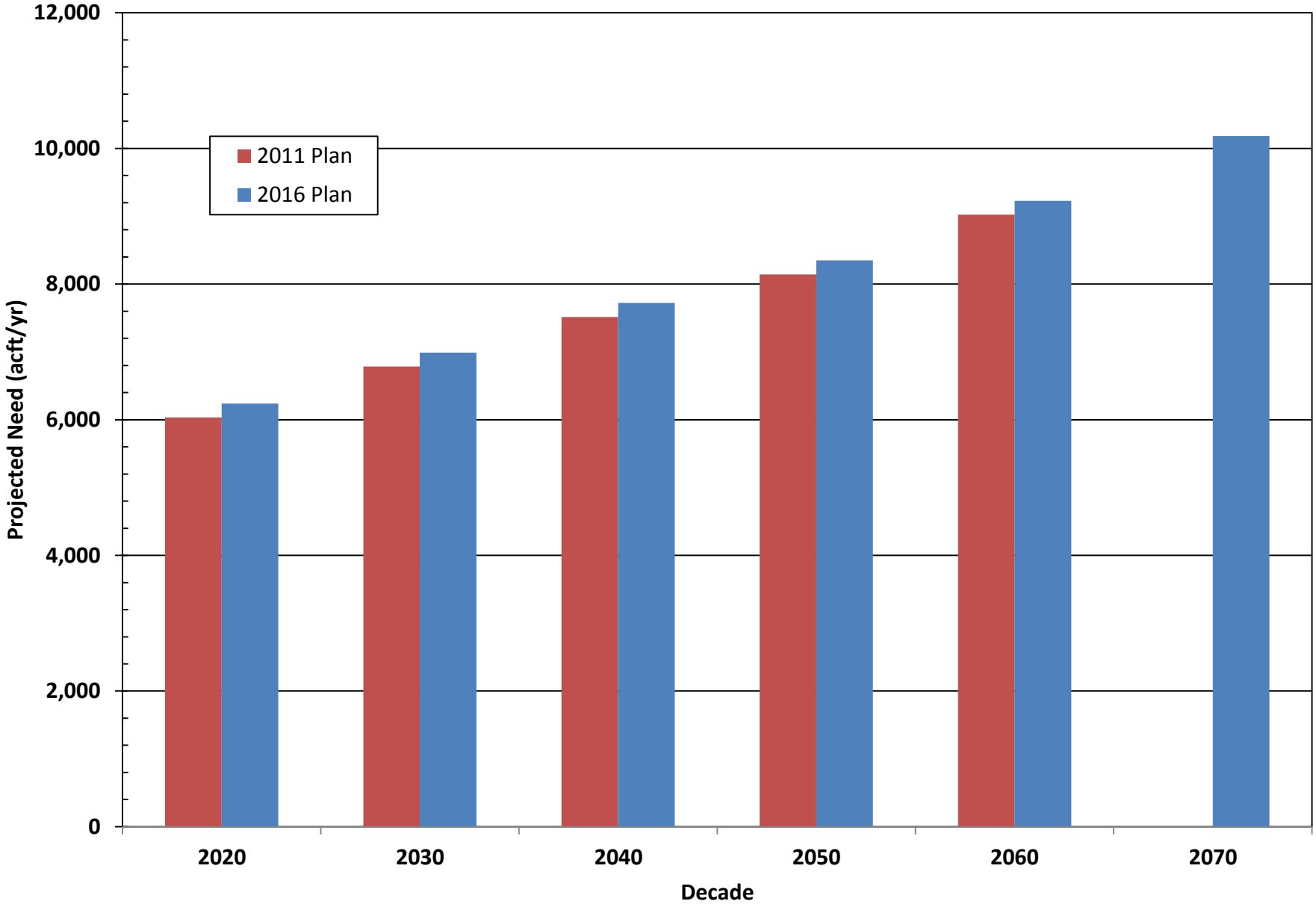

Victoria County Manufacturing Needs Summary

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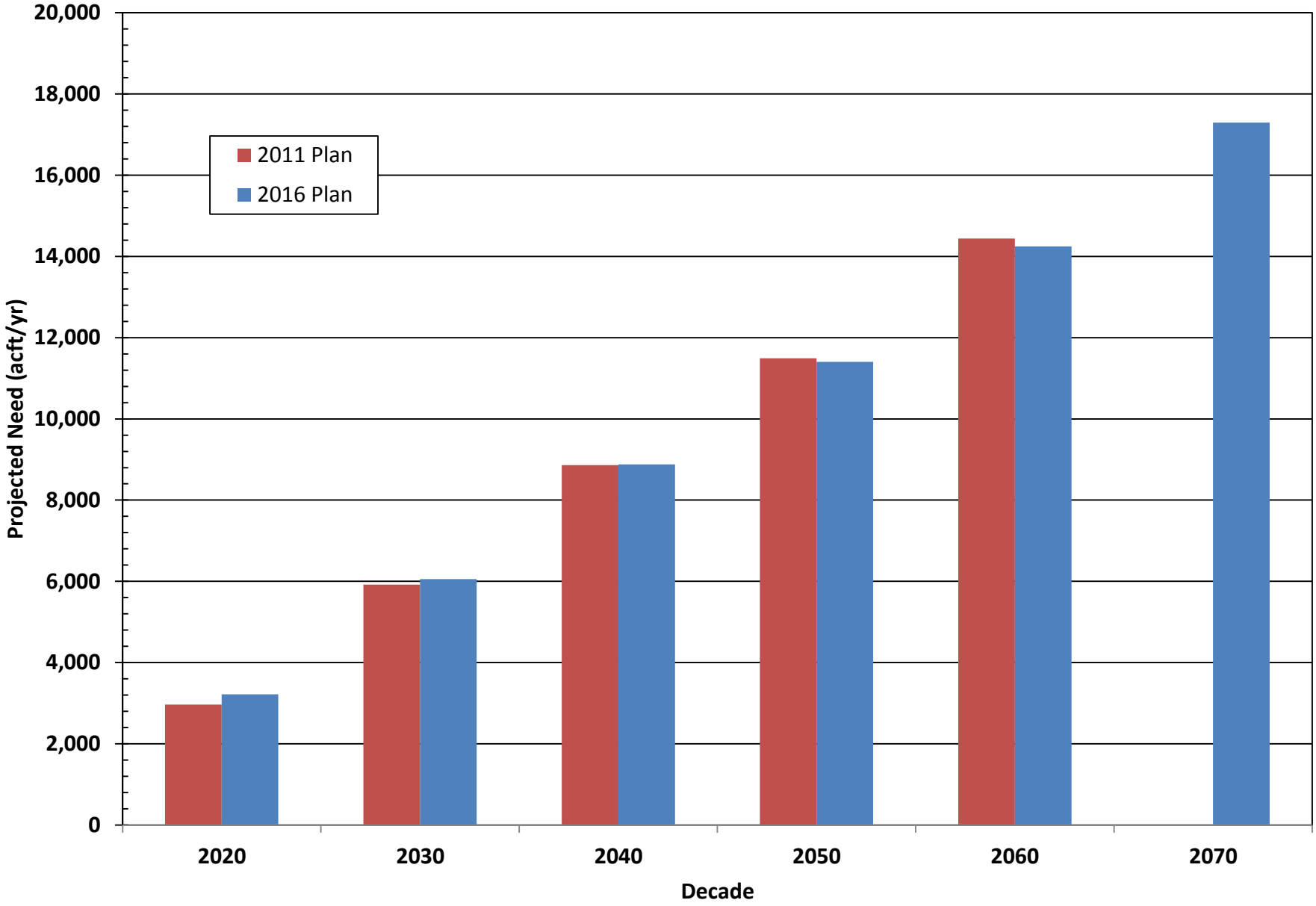

STEAM-ELECTRIC NEEDS

Atascosa County Steam-Electric Needs Summary

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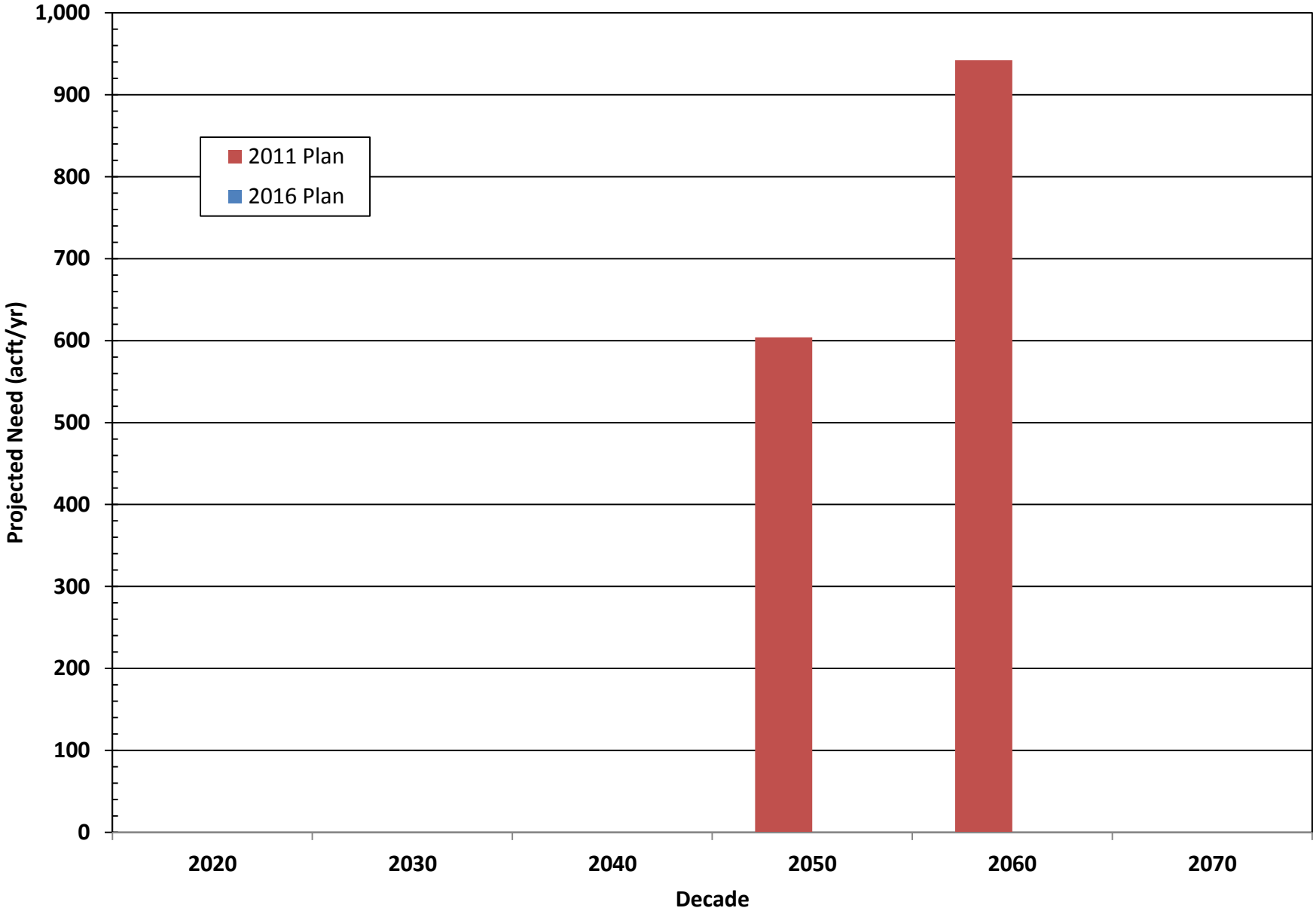

Hays County Steam-Electric Needs Summary

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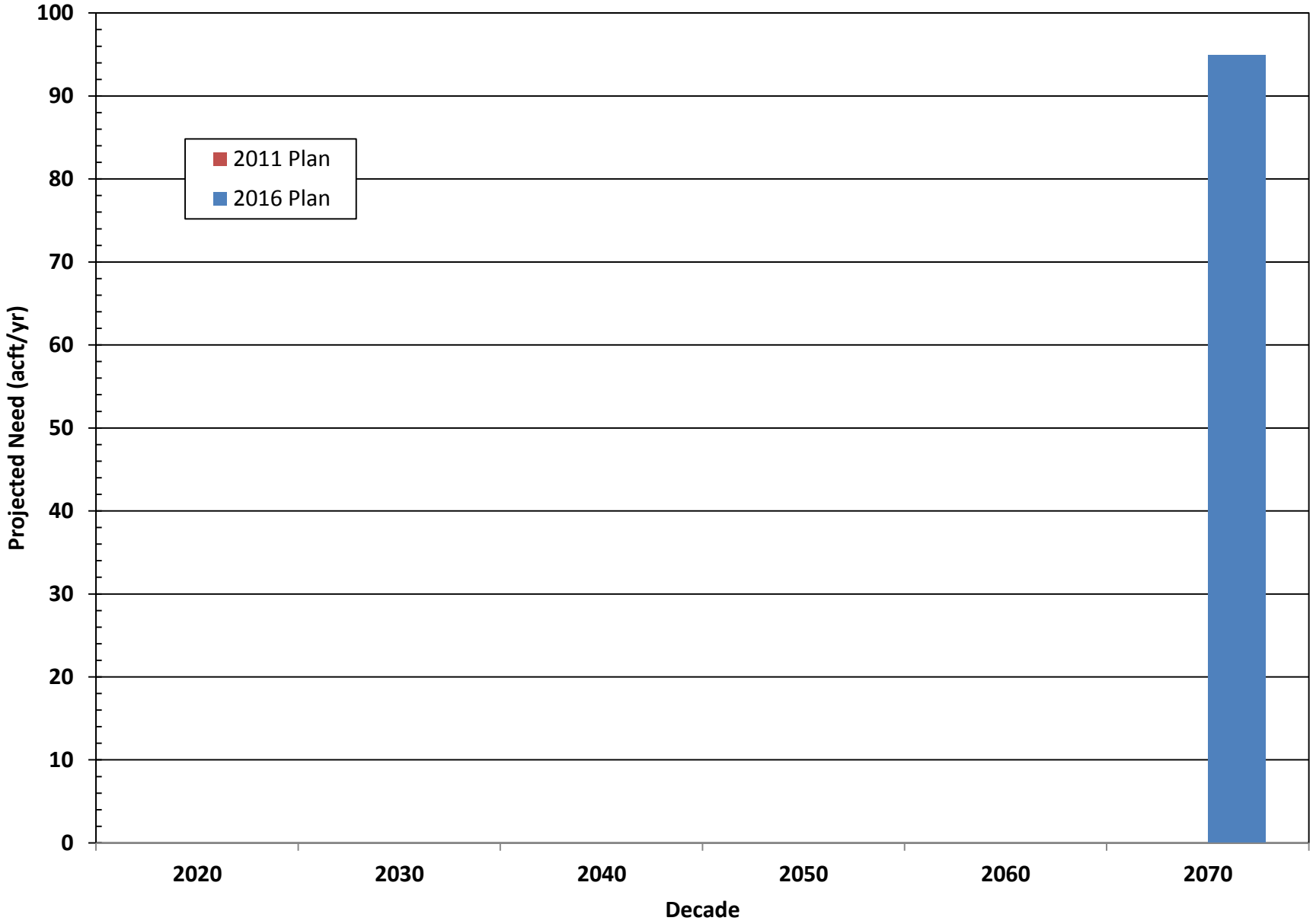

Victoria County Steam-Electric Needs Summary

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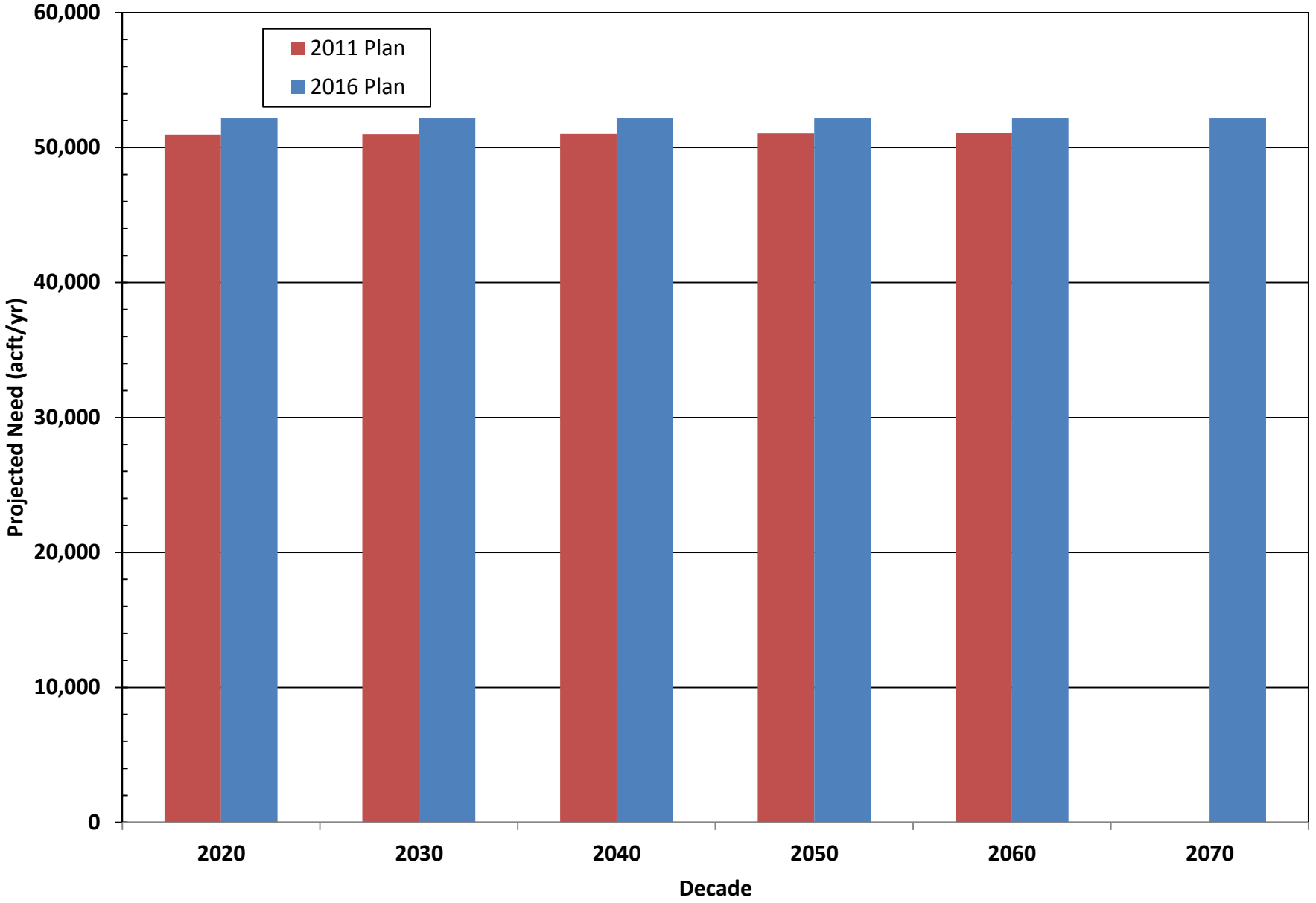

MINING NEEDS

DeWitt County Mining Needs Summary

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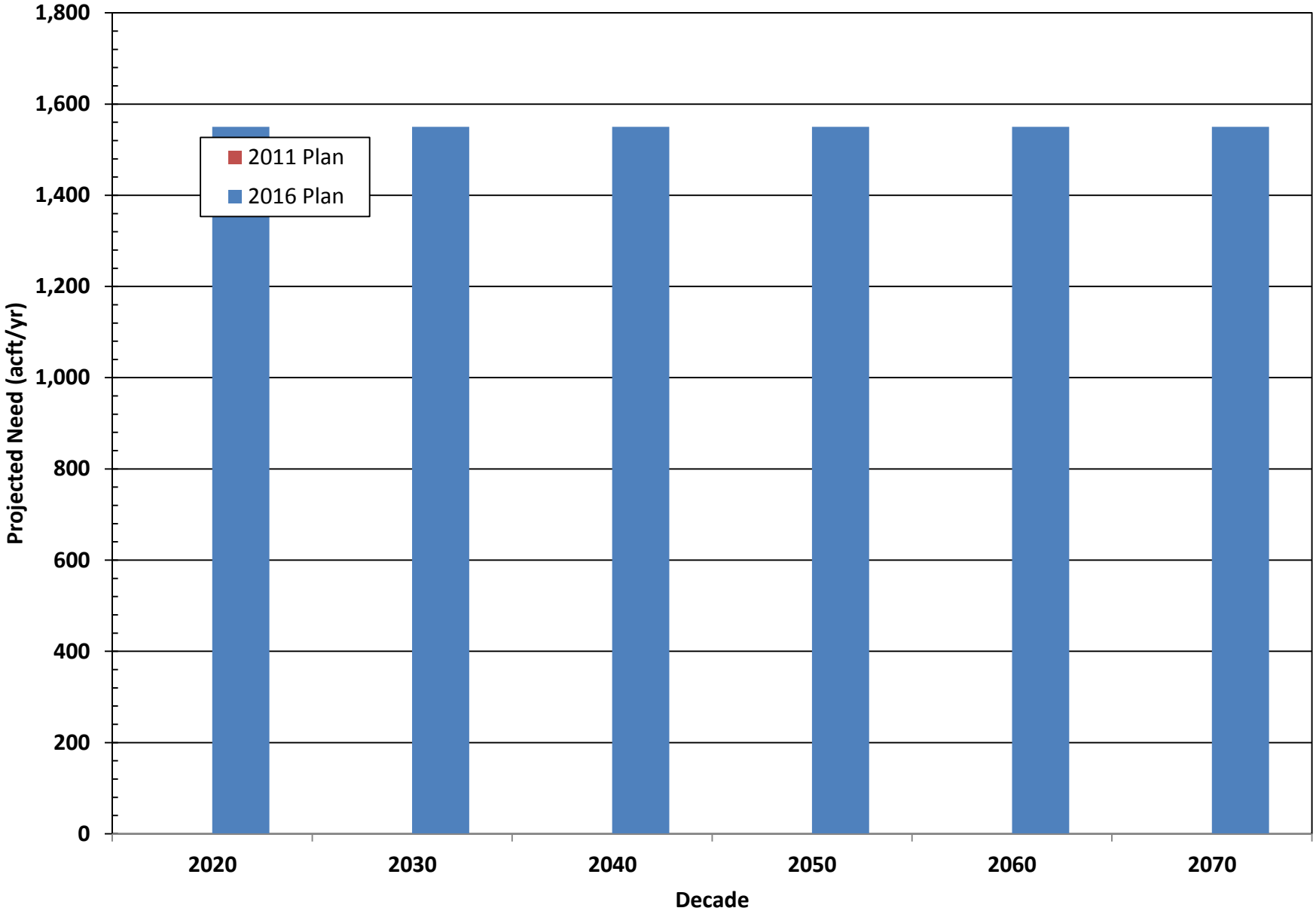

Dimmit County Mining Needs Summary

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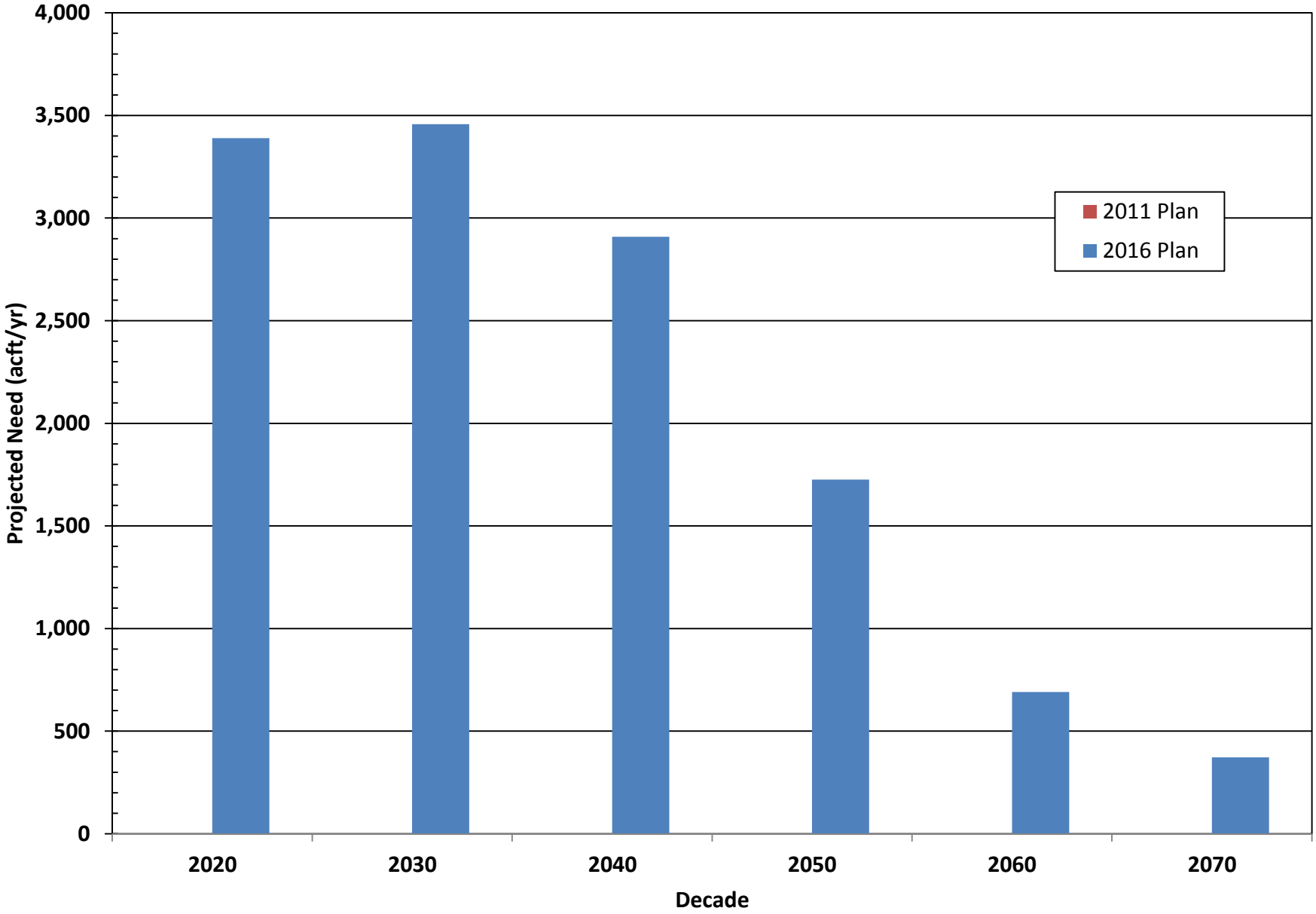

Karnes County Mining Needs Summary

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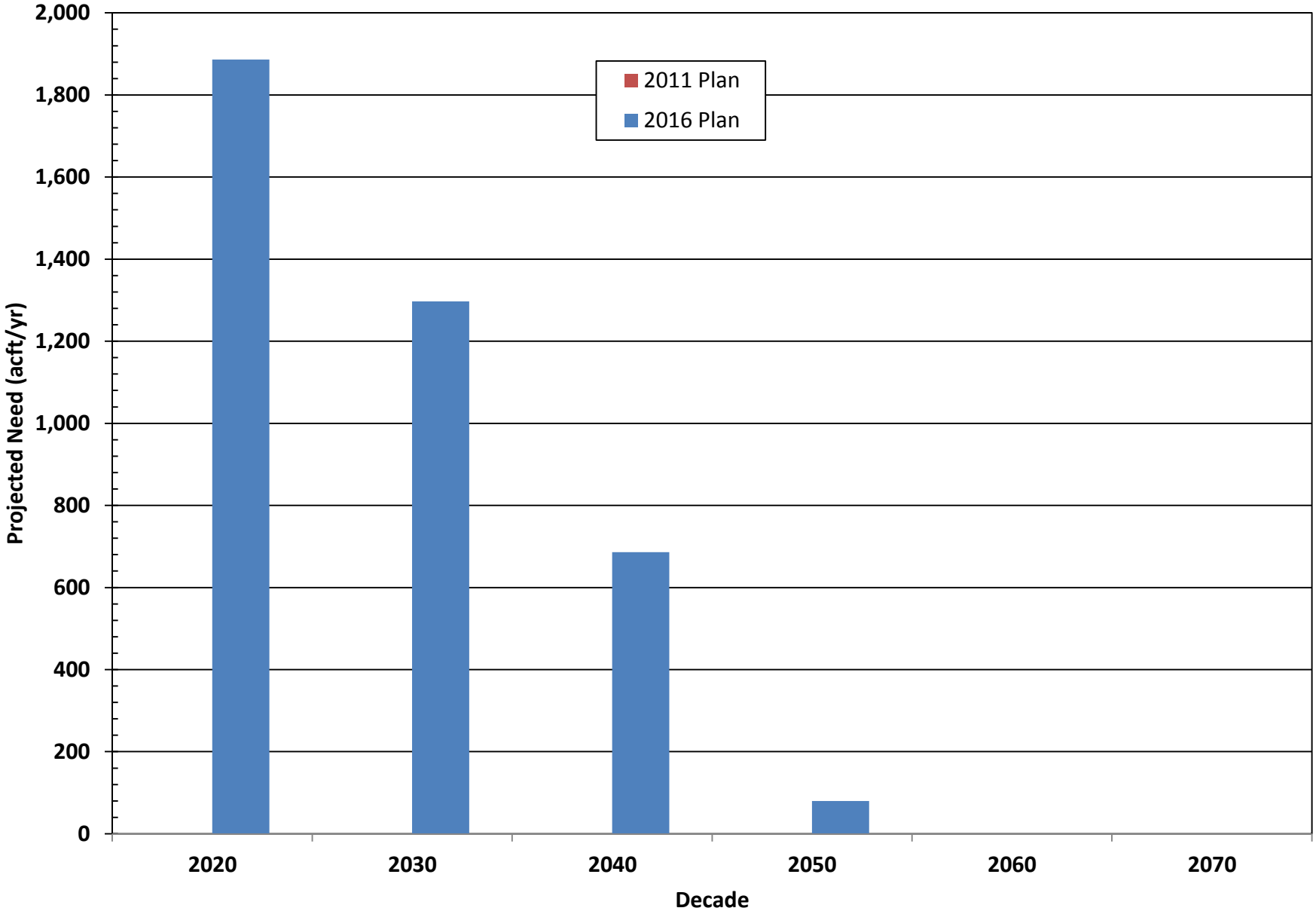

IRRIGATION NEEDS

Calhoun County Irrigation Needs Summary

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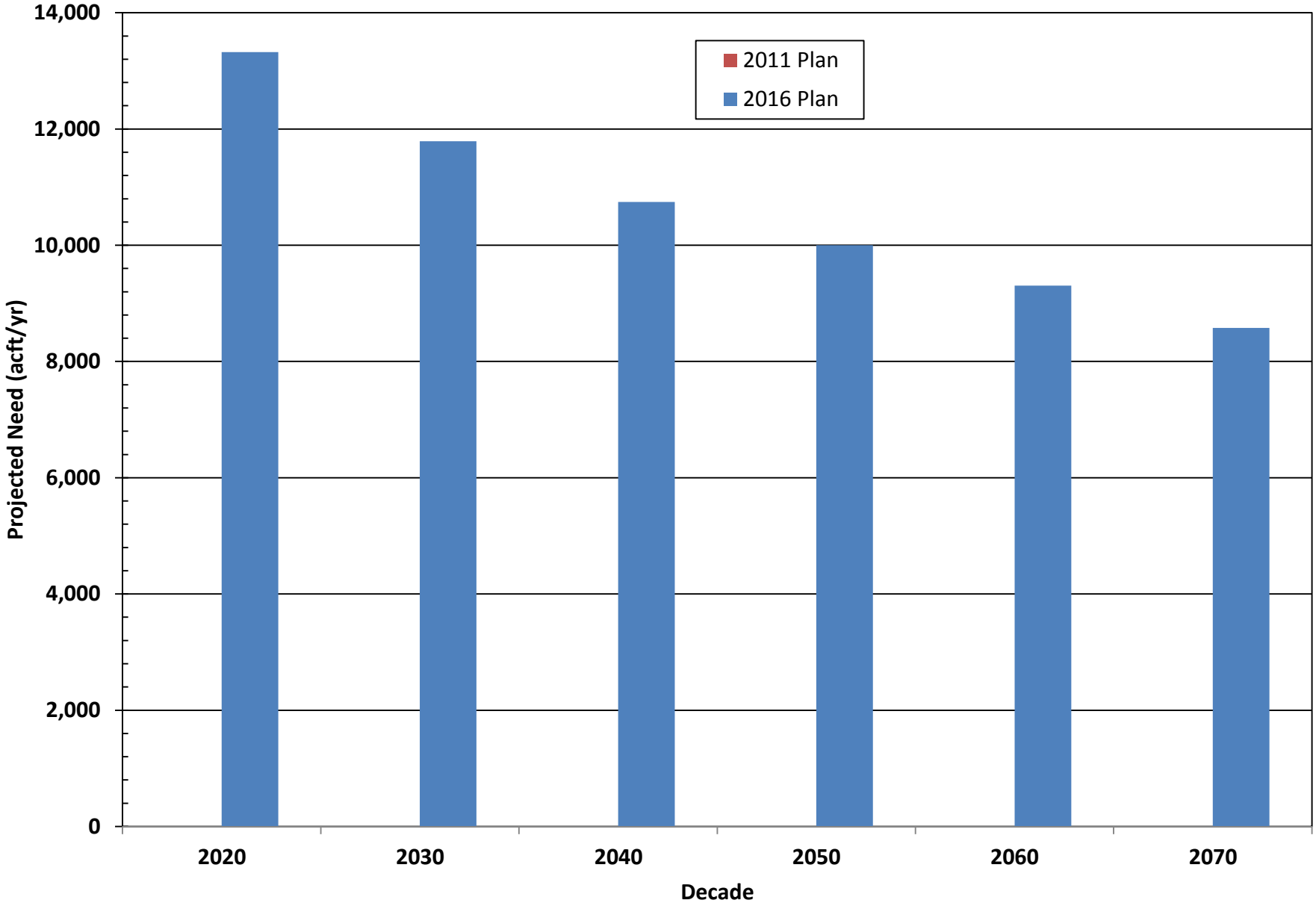

Dimmit County Irrigation Needs Summary

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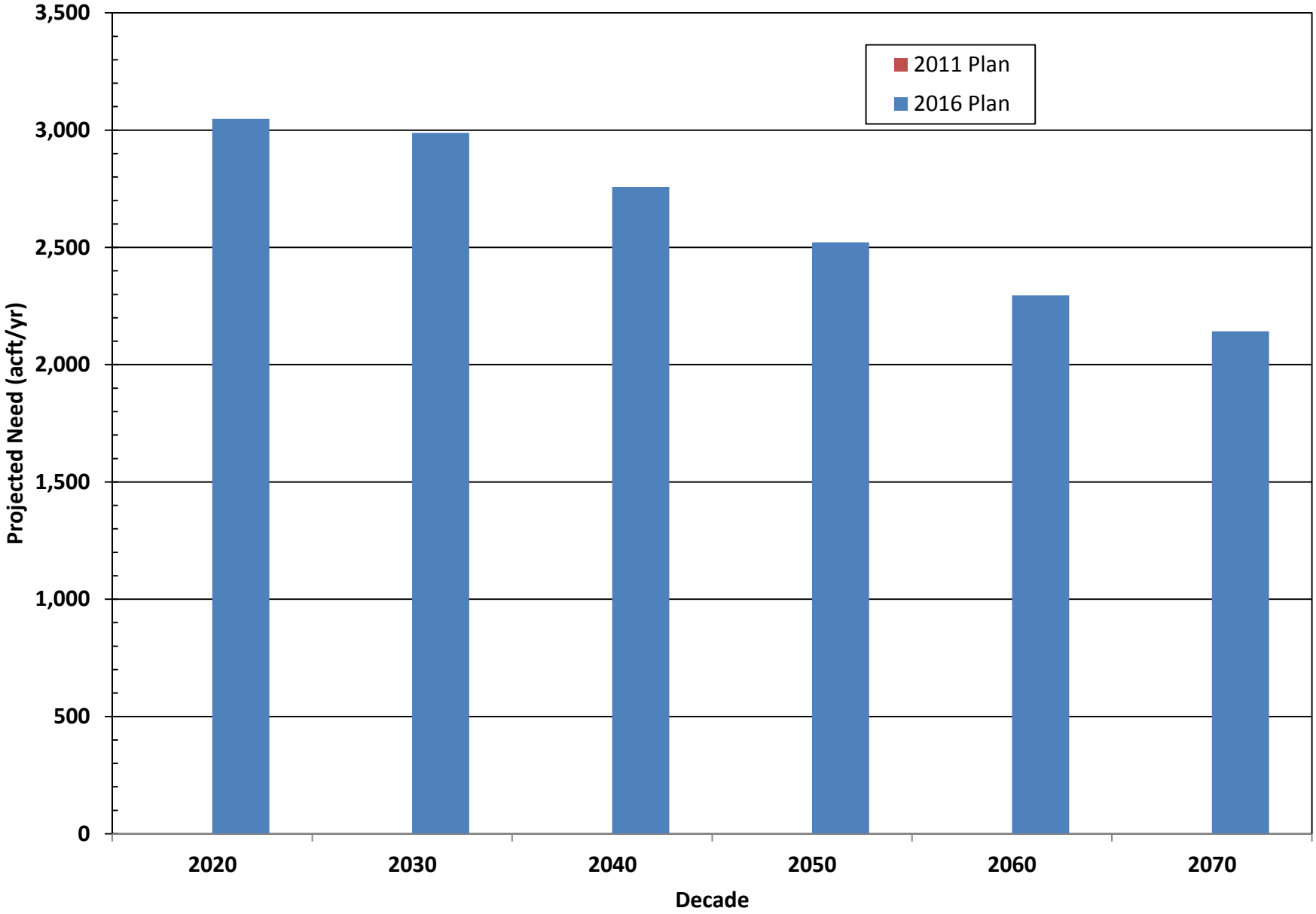

La Salle County Irrigation Needs Summary

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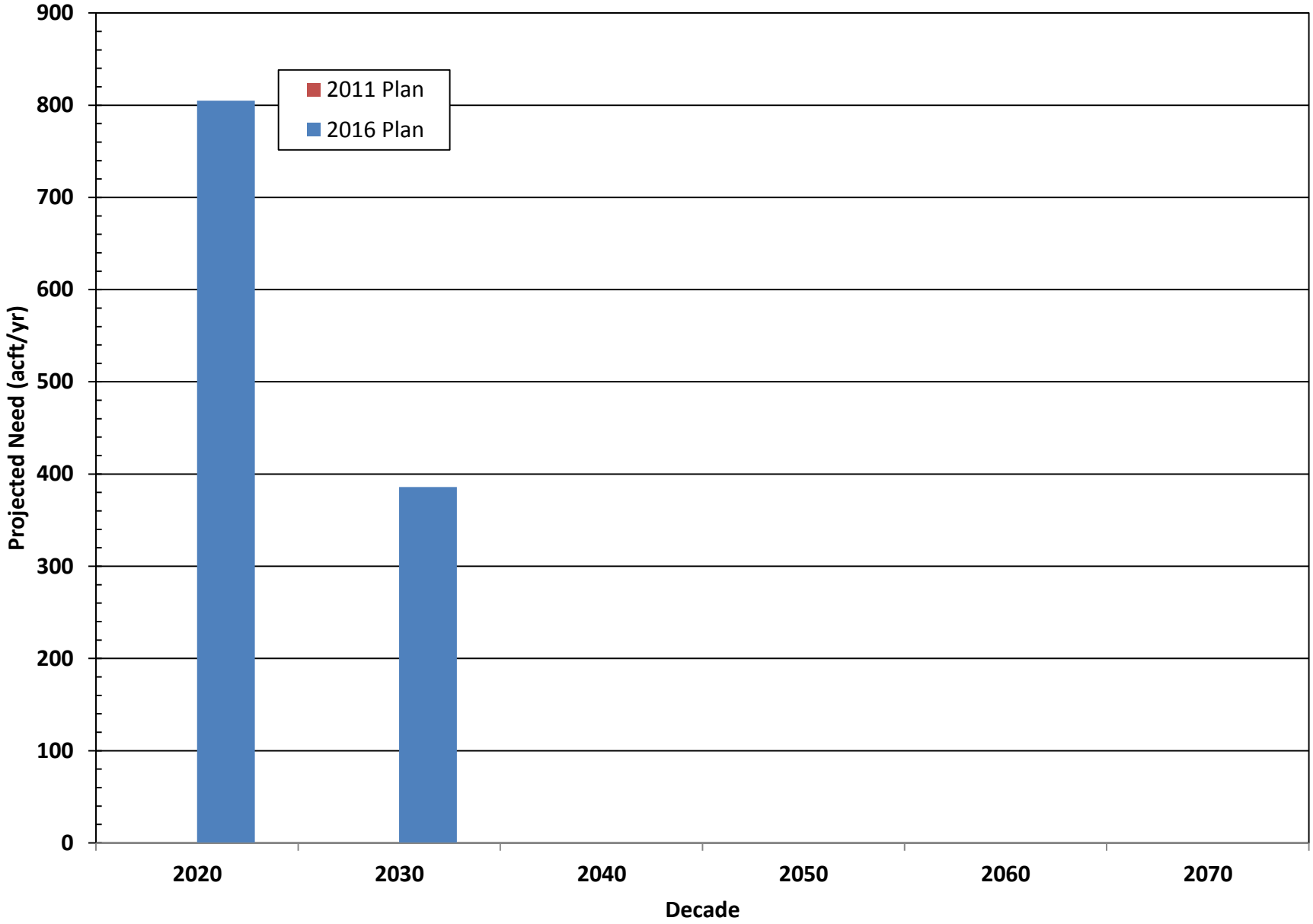

Medina County Irrigation Needs Summary

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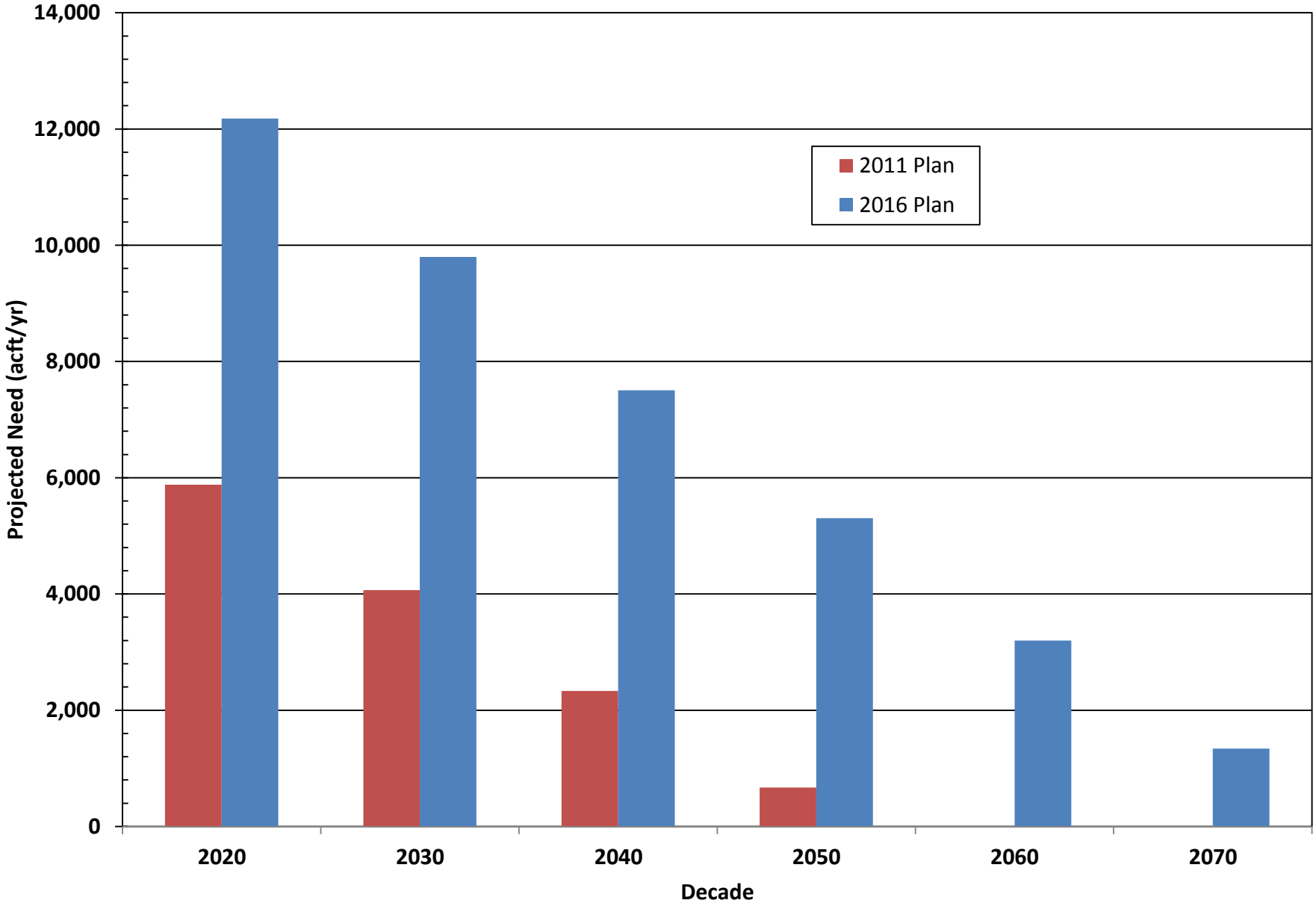

Victoria County Irrigation Needs Summary

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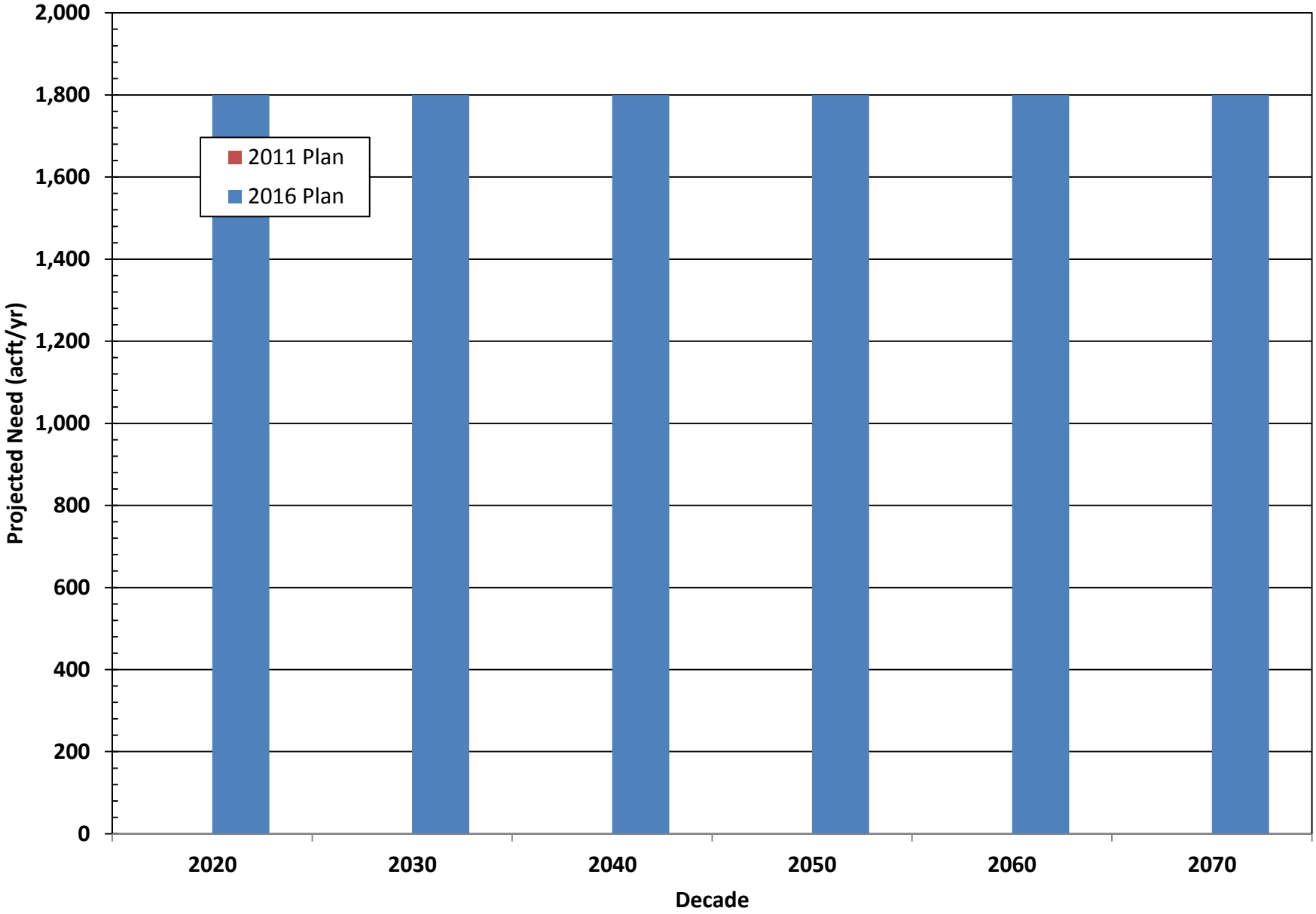

Zavala County Irrigation Needs Summary

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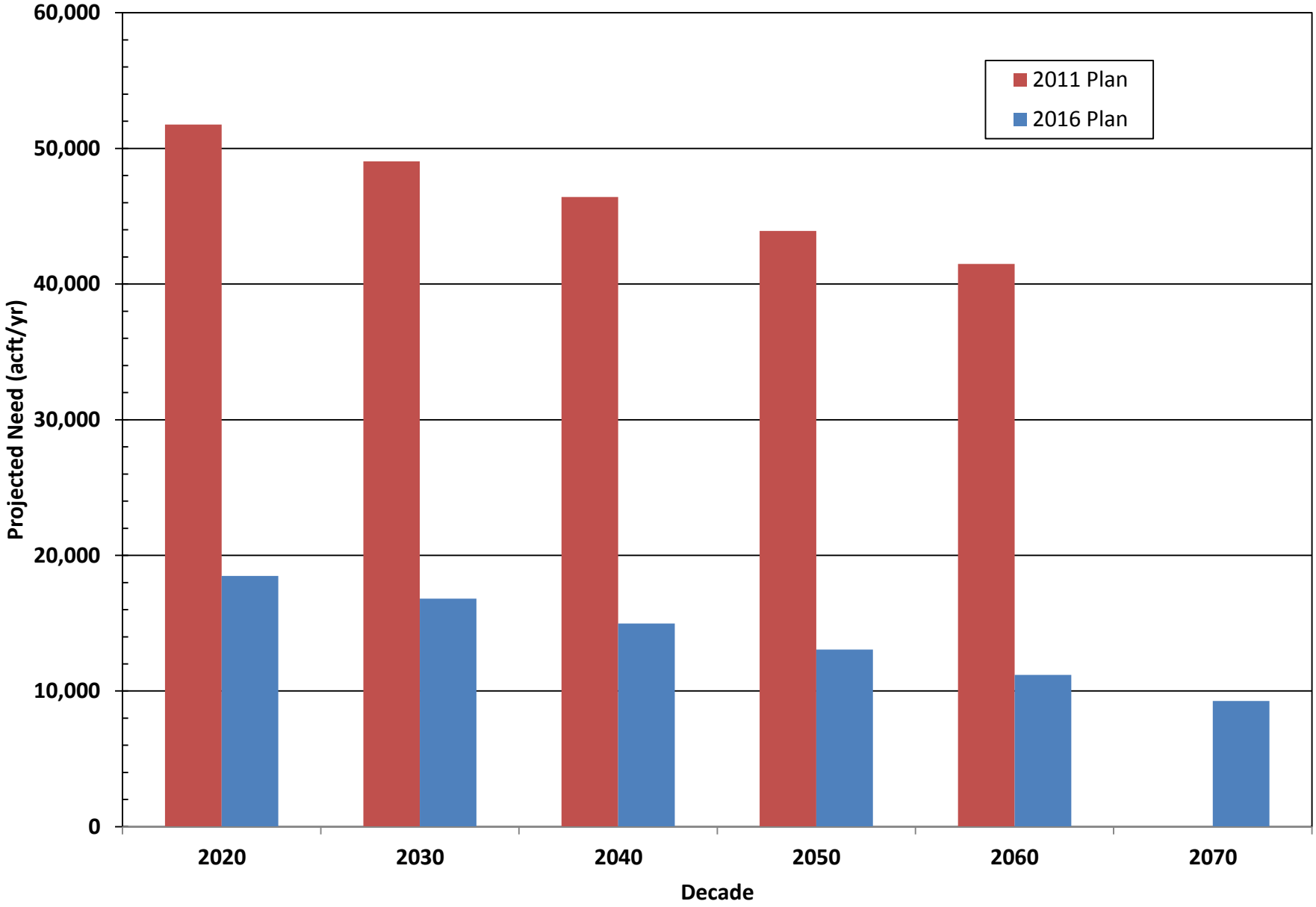

AGENDA ITEM 13

Discussion and Appropriate Action Regarding Evaluation of Potentially Feasible Water Management Strategies (Task 4B), Draft Scopes of Work and Budgets for Submittal to TWDB (Task 4D)

TASK 4D
WATER MANAGEMENT STRATEGIES
Scope and Budget #1

Edwards Aquifer Habitat Conservation Plan (EA HCP) **$5,800**

Prepare summary documentation of technical evaluation of the EA HCP water management strategy in compliance with TWDB guidance for regional water planning and in a format consistent with South Central Texas (Region L) Regional Water Plans. Summary documentation will be based on analyses performed under the Edwards Aquifer Recovery Implementation Program (EA RIP)[1] and included in the EA HCP[2] and will include discussion of voluntary irrigation suspension program, conservation, San Antonio Water System (SAWS) aquifer storage (under leased Edwards rights) and episodic recovery (to offset SAWS withdrawals and protect springflow), and critical period Stage V withdrawal reductions. Supplemental water availability, environmental, engineering, and cost estimation analyses are not included in this scope and budget.

Update Technical Evaluation including Cost Estimates

Update technical evaluation, including cost estimates and documentation, of the following water management strategies to be consistent with current projections of water supply needs and facilities planning pursuant to TWDB rules and guidance. Work effort involves coordination with sponsoring water user group(s), wholesale water provider(s), and/or other resource agencies regarding any changed conditions in terms of projected needs, strategy modifications, planned facilities, costs of water supply, endangered or threatened species, etc. Work effort includes research and revision of cost estimation procedures, cost estimates, and supporting documentation to reflect the September 2013 cost basis for the 2016 regional water plans pursuant to TWDB guidance.

Water Conservation $8,950

Update the Municipal, Irrigation, Industrial, Steam-Electric, and Mining Water Conservation water management strategies using general procedures and Best Management Practices (BMPs) as described in the 2011 SCTRWP and accounting for more current estimates of municipal per capita use, irrigation application rates, and BMP implementation costs. As in the 2011 SCTRWP, the recommendations of the SCTRWPG are assumed to be the "highest practicable level" of conservation for WUGs and/or WWPs dependent upon water management strategies involving interbasin transfer.

Drought Management $8,950

Using available historical water use rates, economic impact factors from the TWDB, and methodology consistent with work completed during development of the 2011 SCTRWP (now integrated in the standard cost estimation tool for regional water planning statewide), update evaluations of drought management as a water management strategy for WUGs with projected needs for additional water supply.

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[1] HDR Engineering, Inc., Todd Engineers, & Westward Environmental, Inc., "Evaluation of Water Management Programs and Alternatives for Springflow Protection of Endangered Species at Comal and San Marcos Springs," Edwards Aquifer Recovery Implementation Program (EARIP), October 2011.

[2] RECON Environmental, Inc., Hicks & Company, Zara Environmental LLC, & BIO-WEST, "Edwards Aquifer Recovery Implementation Program Habitat Conservation Plan, Appendix K," Edwards Aquifer Recovery Implementation Program, November 2012.

Recycled Water Program Expansion $4,200

Compile current information regarding recycled water sources and WUGs potentially in need of such supplies for non-potable uses. Update simplified technical evaluation including generalized estimates of cost for delivery of recycled water from treatment facilities to WUGs.

Local Groundwater $19,900

Update technical evaluations including phased well implementation schedules and associated costs for WUGs dependent on local Carrizo-Wilcox, Gulf Coast, or Trinity Aquifer supplies based on projected needs for additional water supply with due consideration of Modeled Available Groundwater (MAG).

Surface Water Rights $4,100

Compile and summarize current information regarding pending or potential acquisitions, leases, and/or amendments of existing surface water rights by WUGs and/or WWPs in Region L. Update technical evaluation documentation.

Facilities Expansions $4,700

Compile and summarize current information regarding potential or planned facilities expansions by WUGs and/or WWPs in Region L that do not involve additional source water supplies and are not otherwise reflected in technical evaluation of another water management strategy (e.g., water treatment plant expansion, emergency interconnection between adjacent distribution systems, etc.). Update technical evaluation documentation.

Balancing Storage (ASR and/or Surface) $4,100

Compile and summarize current information regarding potential or planned development of balancing storage by WUGs and/or WWPs in Region L. Update technical evaluation documentation.

AGENDA ITEM 14

Discussion and Appropriate Action Regarding Authorizing Political Subdivision to Submit Request for Notice-to-Proceed for Evaluation of Eight Water Management Strategies and Authorize Administrator to Execute Contract Amendment with TWDB

AGENDA ITEM 15

Possible Agenda Items for the Next South Central Texas Regional Water Planning Group Meeting