



Shivani Sidhar
Regulatory Case Manager
San Diego Gas and Electric Company
8330 Century Park Court
San Diego, CA 92123-1530

July 21, 2016

Sent Via Electronic Mail and FedEx

A.15-09-010
Wildfire Expense Memorandum Account

Nils Stannik
Office of Ratepayer Advocates
505 Van Ness Avenue, Room 4108
San Francisco, CA 94102

Re: SDG&E Response to ORA Data Request 06 – Wildfire Expense Memorandum Account

Dear Mr. Stannik,

Attached please find SDG&E's response to ORA Data Request 06 (ORA-SDG&E-A.15-09-010-06), dated July 7, 2016. SDG&E's response includes general objections, narrative responses, and associated attachments. SDG&E is compiling information related to Requests #9 and #11, and will produce responses by July 28, 2016 or will indicate by that date when it expects to provide them.

If you have any questions or require additional information, please feel free to contact me by phone at (858) 637-7914 or e-mail: SSidhar@semprautilities.com.

Sincerely,

Signed

Shivani Sidhar
Regulatory Case Manager

Enclosures

cc: Chris Lyons – SDG&E
Stacie Atkinson – SDG&E
Ed Moldavsky - ORA

ORA DATA REQUEST
ORA-SDG&E DR-06, Q1-12
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SDG&E RESPONSE
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I. GENERAL OBJECTIONS

1. SDG&E objects generally to each request to the extent that it seeks information protected by the attorney-client privilege, the attorney work product doctrine, statutory mediation confidentiality (see Cal. Evid. Code §§ 1115-28) or any other applicable privilege or evidentiary doctrine. No information protected by such privileges will be knowingly disclosed.
2. SDG&E objects generally to each request that is overly broad and unduly burdensome. As part of this objection, SDG&E objects to discovery requests that seek “all documents” or “each and every document” and similarly worded requests on the grounds that such requests are unreasonably cumulative and duplicative, fail to identify with specificity the information or material sought, and create an unreasonable burden compared to the likelihood of such requests leading to the discovery of admissible evidence. Notwithstanding this objection, SDG&E will produce all relevant, non-privileged information not otherwise objected to that it is able to locate after reasonable inquiry.
3. SDG&E objects generally to each request to the extent that the request is vague, unintelligible, or fails to identify with sufficient particularity the information or documents requested and, thus, is not susceptible to response at this time.
4. SDG&E objects generally to each request that: (1) asks for a legal conclusion to be drawn or legal research to be conducted on the grounds that such requests are not designed to elicit facts and, thus, violate the principles underlying discovery; (2) requires SDG&E to do legal research or perform additional analyses to respond to the request; or (3) seeks access to counsel’s legal research, analyses or theories.
5. SDG&E objects generally to each request to the extent it seeks information or documents that are not reasonably calculated to lead to the discovery of admissible evidence.
6. SDG&E objects generally to each request to the extent that it is unreasonably duplicative or cumulative of other requests.
7. SDG&E objects generally to each request to the extent that it would require SDG&E to search its files for matters of public record such as filings, testimony, transcripts, decisions, orders, reports or other information, whether available in the public domain or through FERC or CPUC sources.
8. SDG&E objects generally to each request to the extent that it seeks information or documents that are not in the possession, custody or control of SDG&E.

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9. SDG&E objects generally to each request to the extent that the request would impose an undue burden on SDG&E by requiring it to perform studies, analyses or calculations or to create documents that do not currently exist.

10. SDG&E objects generally to each request that calls for information that contains trade secrets, is privileged or otherwise entitled to confidential protection by reference to statutory protection. SDG&E objects to providing such information absent an appropriate protective order. With respect to the Office of Ratepayer Advocates, however, SDG&E will produce such information subject to the requirements of Public Utilities Code Section 583 and General Order 66-C.

II. EXPRESS RESERVATIONS

1. No response, objection, limitation or lack thereof, set forth in these responses and objections shall be deemed an admission or representation by SDG&E as to the existence or nonexistence of the requested information or that any such information is relevant or admissible.

2. SDG&E reserves the right to modify or supplement its responses and objections to each request, and the provision of any information pursuant to any request is not a waiver of that right.

3. SDG&E reserves the right to rely, at any time, upon subsequently discovered information.

4. These responses are made solely for the purpose of this proceeding (A.15-09-010) and for no other purpose.

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III. RESPONSES

Request 1:

- a. At the time of the 2007 wildfires, did SDG&E's vegetation management program have any scheduling or procedural mechanisms designed to deal with trees that had included bark? If so, please describe and provide appropriate documentation.
- b. At the time of the 2007 wildfires, did SDG&E's vegetation management program have any scheduling or procedural mechanisms designed to deal with trees that had codominant structures? If so, please describe and provide appropriate documentation.
- c. Does SDG&E's current vegetation management program have any scheduling or procedural mechanisms designed to deal with trees that have included bark? If so, please describe and provide appropriate documentation.
- d. Does SDG&E's current vegetation management program have any scheduling or procedural mechanisms designed to deal with trees that have co-dominant structures? If so, please describe and provide appropriate documentation.

Response:

- a. Yes, SDG&E had in place and utilized its "Vegetation Management Tree Pre-Inspection Procedures" to help direct contract inspection personnel on how to identify hazard trees during routine inspections. In section 5 (pages 30 and 31) of the "Vegetation Management Tree Pre-Inspection Procedures", one item on the "Tree Hazard Checklist" asks "*Are there narrow angled branch crotches that may indicate included bark?*". Additionally, the Procedure includes a photo of included bark on page 33, figure 10. The "Vegetation Management Tree Pre-Inspection Procedure" is Appendix 3 to Mr. Akau's prepared direct testimony.
- b. Yes, the checklist referenced in the response to subpart (a) above asks "*Are there multiple vertical branches originating from one point that may indicate weak attachments?*"
- c. Yes, SDG&E continues to utilize the same "Vegetation Management Tree Pre-Inspection Procedure." The practices described above have not changed since 2007. Additionally, SDG&E has made it a requirement for its Pre-inspection and tree trim contractors to provide and document its annual refresher training in hazard tree assessment.

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- d. Yes, SDG&E continues to utilize the same “Vegetation Management Tree Pre-Inspection Procedure.” The practices described above have not changed since 2007. Additionally, SDG&E has made it a requirement for its Pre-inspection and tree trim contractors to provide and document its annual refresher training in hazard tree assessment.

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Request 2:

Prior to the 2007 wildfires, had SDG&E documented complaints, concerns, or doubts concerning the data quality of Remote-Operated Weather Stations (RAWS) as described in Mr. Peterka's testimony? If so, please provide documentation of such concerns.

Objection: SDG&E objects to this request on the grounds set forth in General Objection 2. Subject to the foregoing objection, SDG&E responds as follows.

Response:

SDG&E is unaware of any documented complaints, concerns, or doubts concerning the data quality of RAWS prior to 2007.

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Request 3:

Please describe:

- a. The data sources SDG&E relied on in its weather monitoring and recording practices prior to the 2007 wildfires;
- b. To what extent the weather monitoring and recording practices in part (a) used data provided by the RAWS described in Mr. Peterka's testimony;
- c. How long SDG&E had been relying on data from the RAWS described in Mr. Peterka's testimony; and
- d. What data source(s) SDG&E relied on prior to using RAWS data, if any.

Response:

- a. Any operational measures by SDG&E prior to the 2007 wildfires were based primarily on the National Weather Service (NWS) Red Flag Warning system or other information provided by NWS. CALFIRE disseminated the proclamations, but the source data was from NWS. Within SDG&E, Grid Control had the lead for sharing the information and initiating any proactive measures taken by the company.
- b. Any operational measures by SDG&E were based on NWS data or information which may have included RAWS data within its content, but SDG&E used RAWS specific data only in a cursory or informational way to broaden scope of understanding of a given weather scenario. No proactive measures were based on a pre-determined criteria measured at a RAWS.
- c. SDG&E did not rely on RAWS data.
- d. See responses to subparts (a)-(c).

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Request 4:

Regarding attachment "Peak Wind Gusts," provided in response to ORA data request DR-02 (dated April 29, 2016):

- a. Please provide similar wind data for the Julian RAWS station.
- b. Please provide similar wind data for the following dates and weather stations:
 - Dates: February 10, 2002; January 8, 2003; June 3 – 12, 2008; and March 29, 2003
 - Weather stations: Julian, Ramona Airport, Pine Hills, Goose Valley, and Valley Center.
- c. Why is the BOC station listed twice? What do the differing data values for the two BOC entries represent?

Objection: SDG&E objects to this request on the grounds set forth in General Objections 2, 5, 7, 8 and 9. Subject to the foregoing objection, SDG&E responds as follows.

Response:

- a. See attachment "JULC1 Peak Wind Gust"
- b. The data ORA requests is not archived at SDG&E but is publicly available through <http://mesowest.utah.edu/>
- c. There was a typo in the original attachment. The station listed as BOC in column D should actually be BMS. The weather data under the column is correct. See corrected attachment provided herewith, entitled "Corrected_Peak Wind Gusts_072116."

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Request 5:

Regarding attachment “SDGE_170WeatherStations_06152016,” provided in response to ORA data request DR-05 (dated June 24, 2016):

- a. Please explain why the installation dates for the five stations analyzed by Mr. Peterka (Julian, Ramona Airport, Pine Hills, Goose Valley, and Valley Center) are after 2007.
- b. Have the five stations listed in part (a) above been moved, relocated, or replaced at any time since 2007? If so, please explain and provide dates corresponding to any changes made to the stations.
- c. Did any of the other provided wind stations in the attachment exist before the 2007 wildfires? If so, please provide the original installation dates and dates of all subsequent and substantive changes to the wind stations.
- d. Does the listed station “Ramona” (code “RAM”) describe the Ramona Airport, as analyzed within Mr. Peterka’s testimony?

Objection: SDG&E objects to this request on the grounds set forth in General Objections 5 and 8. Subject to the foregoing objection, SDG&E responds as follows.

Response:

- a. The stations listed in the attachment “SDGE_170WeatherStations_06152016” represent SDG&E-owned weather stations that were installed after the 2007 wildfires. In his prepared direct testimony, Mr. Peterka analyzed the pre-existing, federally-owned RAWS stations. NOTE: Ramona Airport is not a RAWS but is actually an ASOS with different instrumentation and installation specifications.
- b. The Federally-owned Goose Valley RAWS was relocated by the USFS sometime in late 2012 or early 2013. ORA should contact the U.S. Forest Service for exact dates. SDG&E is unaware of any other changes to these five federally-owned weather stations. Again, these stations are not owned or operated by SDG&E and are not included in the list of 170 SDG&E weather stations.
- c. None of the weather stations in the attachment existed before the 2007 wildfires.
- d. No.

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Request 6:

Has SDG&E performed any internal investigation into the cause of the Witch, Rice, or Guejito fires? If so, please provide these investigations, including any related documentation.

Objection: SDG&E objects to this request on the grounds set forth in General Objections 1, 2, 3, and 9. Subject to the foregoing objection, SDG&E responds as follows.

Response:

SDG&E's internal investigation into the cause of the Witch, Rice, or Guejito fires is privileged. All non-privileged data collected during the parties various joint inspections of the Witch, Rice or Guejito facilities is contained on a hard-drive previously provided to the ORA in response to ORA-SDG&E DR-02. In addition, information related to the cause of the fires may be found in SDG&E's responses to various CPUC data requests, its OII testimony, litigation discovery, and testimony in this proceeding, which are in the possession of the Commission's Safety Enforcement and Division (formerly Consumer Protection and Safety Division), or ORA.

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Request 7:

In the folder SDGE PRODS\NATIVES\001 on the hard drive provided in response to ORA data request ORA-02, file **SDGE0214266_TRWITCH.mdb** appears to have many blank tables, including those regarding clearance violations and conductors.

Please explain why these tables were left blank. If these tables were left blank in error, please provide the indicated information.

Response:

SDG&E0214266 is a native copy of a database also produced in .pdf at SDGE0214267. The blank tables in SDG&E0214266 are not an error and are representative of the original database.

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Request 8:

In the folder SDGE PRODS\IMAGES\004, the SDG&E Fire Conditions document dated 09/03/08 (starting with file SDGE0024129.tif) includes procedures regarding transmission and distribution lines related to tripping that occurs during a Red Flag Warning.

- a. Were these procedures in effect prior to the effective date of September 3, 2008?
- b. Were these procedures in effect during the 2007 wildfires?
- c. If these procedures were not in effect during October 2007, were there any other procedures for dealing with tripping wires during a Red Flag Warning? If so, do these procedures differ from the procedures on a day in which no Red Flag Warning is in effect?

Response:

As set forth in SDG&E's response to Request 2 in ORA-SDG&E DR-05, TMC 1320 and ESP 109 set forth procedures relating to Red Flag Warning periods for transmission and distribution, respectively. The versions of TMC 1320 and ESP 109 in effect at the time of the fires were previously provided in response to Request 2.

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Request 9:

Regarding attachment "TMC1320" (Hazardous Fire Conditions - Red Flag Fire Warning) provided in response to ORA data request DR-05:

- a. Which personnel are currently included on the "Fire Warning" distribution list" (p. 4)? Please provide a list of all persons and their corresponding titles.
- b. Who was included on the "Fire Warning" distribution list" during October 2007? Please provide a list of all persons and their corresponding titles.
- c. Please provide all notifications sent via the SDG&E web-based Pager System related to Red Flag Fire Warnings, including around the time of the 2003 wildfire, the 2007 wildfires, and all dates corresponding to the Santa Ana conditions provided in response to ORA data request DR-05, Question 5.
- d. Who is included in the "Fleet Wide Call" (p. 6)? Who was included during October 2007? Please provide a list of all persons and their corresponding titles.
- e. Please provide any documentation related to any Fleet Wide Calls made regarding the Red Flag Fire Warnings, including around the time of the 2003 wildfire, the 2007 wildfires, and any dates correlating to the Santa Ana conditions provided in response to ORA data request DR-05, Question 5.

Objection: SDG&E objects to this request on the grounds set forth in General Objections 2, 5 and 9. Subject to the foregoing objections, SDG&E responds as follows.

Response:

SDG&E will respond to this request by July 28, 2016 or will indicate by that date when it expects to respond.

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Request 10:

Within various subfolders of SDGE PRODS\IMAGES on the hard drive provided in response to ORA data request ORA-02, the following files appear to be blank:

- In folders 004, 005, and 006, images **SDGE0098983.tif** through **SDGE0109113.tif**
- In folder 007, images **SDGE0109114.tif** to **SDGE0110159.tif**

Please provide non-blank versions of these files. If non-blank versions are not available, please explain why.

Response:

SDGE0098983.tif through SDGE0109113.tif and SDGE0109114.tif to SDGE0110159.tif were placeholders for documents not ultimately produced in the underlying litigation and are not responsive to data requests in this proceeding.

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Request 11:

In the folder **SDGE PRODS\IMAGES** on the hard drive provided in response to ORA data request ORA-02, there are many files that appear to be either corrupt or broken, including, for example, **SDGE0026546** and **SDGE0098834** (subfolder 004) and **SDGE0111922** and **SDGE0112071** (subfolder 007). Please provide uncorrupt versions of these and any additional corrupted files.

Response:

Having investigated this issue, it is SDG&E's understanding that the files identified may appear corrupt when opened outside a specific database. SDG&E will produce readable copies to ORA by July 28, 2016 or will indicate by that date when it expects to provide them.

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Request 12:

Regarding photos **SDGE0247128_DL_IMG_0104_edited-1.jpg** through **SDGE0247139_DL_IMG_0115_edited-1.jpg** in folder SDGE PRODS\NATIVES\001 on the hard drive provided in response to ORA data request ORA-02:

- a. Please describe which part of ORA's second data request these files are in response to (question number, sub-question).
- b. Please provide the location and additional background information regarding these pictures. If none is available, please state as such.
- c. Please describe why ten of the twelve listed files contain "edited-1" in their filename. If unedited versions of these files exist, please provide.

Objection: SDG&E objects to this request on the grounds set forth in General Objection 5. Subject to the foregoing objection, SDG&E responds as follows.

Response:

SDGE0247128_DL_IMG_0104_edited-1.jpg through SDGE0247139_DL_IMG_0115_edited-1.jpg were files produced in the underlying civil litigation related to the Witch, Rice and Guejito Fires. Background information regarding the photographs can be found in the metadata. SDG&E understands the photographs were taken at the alleged area of origin of the Witch fire. SDG&E understands the photos identified were edited by the photographer, Dean LeBrecht. Mr. LeBrecht discussed his practice regarding editing photographs in his deposition dated March 25, 2010 starting at 175:7.

<u>Event Start</u>	<u>Event End</u>	<u>JULC1 Max</u>
4/17/2016	4/17/2016	23
4/6/2016	4/6/2016	30
2/14/2016	2/15/2016	28
2/4/2016	2/9/2016	32
1/25/2016	1/26/2016	33
1/21/2016	1/21/2016	27
1/11/2016	1/12/2016	25
12/26/2015	12/27/2015	39
11/20/2015	11/21/2015	22
11/12/2015	11/13/2015	25
11/6/2015	11/7/2015	26
4/16/2015	4/16/2015	25
3/26/2015	3/26/2015	29
3/13/2015	3/13/2015	33
3/5/2015	3/7/2015	32
2/11/2015	2/13/2015	38
1/22/2015	1/26/2015	41
1/14/2015	1/15/2015	32
12/26/2014	12/27/2014	35
12/23/2014	12/23/2014	30
11/23/2014	11/25/2014	40
11/16/2014	11/18/2014	31
11/4/2014	11/5/2014	34
10/2/2014	10/2/2014	25
5/12/2014	5/15/2014	41
4/29/2014	5/1/2014	43
4/14/2014	4/14/2014	31
3/8/2014	3/9/2014	45
1/23/2014	1/24/2014	26
1/13/2014	1/17/2014	33
12/14/2013	12/16/2013	36
12/9/2013	12/9/2013	34
10/4/2013	10/6/2013	33
5/2/2013	5/2/2013	25
4/18/2013	4/19/2013	24
2/28/2013	3/1/2013	31
2/24/2013	2/24/2013	28
2/15/2013	2/16/2013	38
1/30/2013	1/31/2013	25
1/15/2013	1/17/2013	33
1/1/2013	1/2/2013	29
11/13/2012	11/13/2012	28
10/26/2012	10/27/2012	29
10/14/2012	10/14/2012	27

Event Start	Event End	SIL Max	BMS Max	VGD Max	CWD Max	HHC Max	WSY Max	BOC Max	EWR Max	LPT Max	LFR Max	NBC Max	NDC Max	SRH Max	IJP Max	RPO Max	CMN Max	CES Max	DYE Max	HOS Max
4/17/2016	4/17/2016	51	28	44	41	39	25	34	40	36	37	32	38	22	29	36	27	26	25	32
4/6/2016	4/6/2016	61	46	45	46	47	47	47	34	47	50	52	48	37	48	44	35	29	48	43
2/14/2016	2/15/2016	55	54	32	47	38	35	38	35	46	44	38	33	38	45	36	36	20	33	37
2/4/2016	2/9/2016	68	57	44	54	62	47	52	54	51	46	56	54	42	52	48	41	36	50	47
1/25/2016	1/26/2016	61	56	42	51	31	45	43	48	51	47	41	36	34	43	41	38	30	37	43
1/21/2016	1/21/2016	55	45	42	40	55	44	37	45	43	35	49	43	22	45	41	31	36	43	37
1/11/2016	1/12/2016	60	41	37 N/A		46	43	47	45	42	36	39	37	29	43	29	30	23	43	39
12/26/2015	12/27/2015	70	49	48	50	34	42	52	52	47	61	49	53	29	43	36	44	34	39	48
11/20/2015	11/21/2015	53	40	36	37	51	37	45	47	35	33	41	45	31	36	39	28	31	39	32
11/12/2015	11/13/2015	54	37	32	43	40	37	43	38	42	31	38	34	26	42	24	29	22	40	32
11/6/2015	11/7/2015	57	34	34	45	45	41	43	40	42	38	39	34	25	41	36	32	28	38	35
4/16/2015	4/16/2015	58	42	46	39	50	41	46	47	37	39	44	45	38	38	42	31	30	41	33
3/26/2015	3/26/2015	63	36	31	46	28	31	42	34	38	44 N/A		31	31	33	28	32	25	30	31
3/13/2015	3/13/2015	56	47	33	56	41	32	45	37	49	46 N/A		31	37	36	31	35	26	31	41
3/5/2015	3/7/2015	71	46	46	44	34	51	46	51	47	54 N/A		52	37	42	32	37	28	41	43
2/11/2015	2/13/2015	82	53	50	58	75	48	66	54	44	62 N/A		47	42	52	46	39	36	51	53
1/22/2015	1/26/2015	89	68	67	58	62	58	58	68	57	55 N/A		66	55	53	57	47	43	55	57
1/14/2015	1/15/2015	63	29	49	49	40	34	51	40	48	50 N/A		35	23	49	39	33	26	37	44
12/26/2014	12/27/2014	60	46	37	57	48	46	46	44	48	50 N/A		43	36	52	36	35	29	42	49
12/23/2014	12/23/2014	60	52	42	52	50	48	45	42	50	43 N/A		37	37	49	39	32	27	38	41
11/23/2014	11/25/2014	87	54	48	58	55	51	66	56	53	64 N/A		45	38	44	50	41	36	52	45
11/16/2014	11/18/2014	59	45	42	59	47 N/A		47	45	44	50 N/A		41	34	47	39	38	31	45	37
11/4/2014	11/5/2014	68	42	51	61	40	44	52	56	51	61 N/A		53	33	40	50	40	35	41	41
10/2/2014	10/2/2014	53	32	28	36	41	33	43	31	29	37 N/A		32	17	34	35	27	25	29	28
5/12/2014	5/15/2014	87	61	77	59	75	63	64	69	55	63 N/A		64	48	62	65	48	64	63	58
4/29/2014	5/1/2014	101	87	69	76	55	75	72	72	69	69 N/A		69	69	66	58	64	42	63	63
4/14/2014	4/14/2014	64	55	43	44	61	47	52	47	43	47 N/A		48	39	47	53	36	36	50	40
3/8/2014	3/9/2014	57	52	41	63	43 N/A		51	43	54	68 N/A		34	49	45	46	38	26	38	54
1/23/2014	1/24/2014	51	45	35	38	51	41	40	35	37	40 N/A		41	32	35	32	29	29	43	36
1/13/2014	1/17/2014	88	61	51	52	60	56	58	53	55	55 N/A		49	48	51	48	38	38	46	49
12/14/2013	12/16/2013	81	67	50	58	49	61	61 N/A		58	60 N/A		53	44	57	53	46	31	53	
12/9/2013	12/9/2013	75	59 N/A		56	57	56	57 N/A		55	50 N/A		57	39	58	48	40	36	57	
10/4/2013	10/6/2013	70	56 N/A		53	59	48	58 N/A		47	56 N/A		46	42	50	43	40	38	50	
5/2/2013	5/2/2013	58	49 N/A		46	55	42	51 N/A		43	41 N/A		42	42	42	45	36	29	40	
4/18/2013	4/19/2013	64	43 N/A		41	48	36	49 N/A		37	38 N/A		36	29	39	33	29	28	32	
2/28/2013	3/1/2013	68	53 N/A		48	56	49	53 N/A		44	47 N/A		50	43	47	49	41	42	50	
2/24/2013	2/24/2013	60	44 N/A		54	37	36	43 N/A		44	42 N/A		37	31	40	34	38	31	40	
2/15/2013	2/16/2013	91	61 N/A		58	61	58	55 N/A		59	61 N/A		52	45	63	46	44	33	57	
1/30/2013	1/31/2013	61	56 N/A		46	38	41	46 N/A		43	41 N/A		38	34	42	29	34	23	38	
1/15/2013	1/17/2013	76	52 N/A		56	44	55	58 N/A		53	58 N/A		46	44	56	39	41	34	61	
1/1/2013	1/2/2013	64	55 N/A		52	55	52	53 N/A		51	48 N/A		47	34	46	34	42	42	53	
11/13/2012	11/13/2012	54	32 N/A		46 N/A		34	41 N/A		40	32 N/A		34	20	43	29	25	29	41	
10/26/2012	10/27/2012	66	51 N/A		52 N/A		49	55 N/A		48	45 N/A		46	32	45	50	36	38	49	
10/14/2012	10/14/2012	51	38 N/A		42 N/A		29	40 N/A		35	46 N/A		41	32	35	35	28	26	28	

<u>OTM Max</u>	<u>NHG Max</u>	<u>WDC Max</u>	<u>WCK Max</u>	<u>CTM Max</u>	<u>CCR Max</u>	<u>SHC Max</u>	<u>STT Max</u>	<u>VCM Max</u>	<u>SYR Max</u>	<u>POV Max</u>	<u>POT Max</u>	<u>VJS Max</u>	<u>BVD Max</u>	<u>HRP Max</u>	<u>LAG Max</u>	<u>MGD Max</u>	<u>RCR Max</u>	<u>WWY Max</u>	<u>CPO Max</u>	<u>ANEC1</u>
31	26	33	28	25	40	28	37	35	30	35	31	26	37	34	35	29	23	25	36	37
43	16	35	45	42	30	44	40	39	46	36	36	27	32	40	36	35	23	40	34	42
27	19	30	28	31	37	39	37	32	36	18	38	24	30	31	35	33	12	33	29	40
52	22	39	49	37	40	50	43	41	49	36	47	53	34	37	38	44	42	41	33	57
	23	32	37	34	22	42	36	44	31	25	39	34	39	34	37	39	13	33	37	65
49	11	31	42	19	29	53	34	34	41	18	42	38	23	29	34	30	40	37	31	46
33	16	32	32	28	22	41	31	35	33	13	37	31	27	34	32	34	12	34	28	46
38	35	42	37	33	40	43	41	51	46 N/A		34	36	46	48	44	47	22	37	41	51
48	17	27	35	28	26	38	31	32	36	26	36	38	23	26	32	29	36	30	31	48
15	12	28	33	17	17	43	36	33	36	16	33	26	28	27	32	30	17	35	28	45
31	13	31	31	22	21	45	36	38	33	23	35	29	31	31	37	31	33	34	31	44
42	27	31	35	26	41	40	32	36	38	29	37	33	28	30	32	35	36	32	31	48
24	15	29	28	20	22	36	35	37	26	22	29	28	33	37	33	26	18	31	29	31
29	34	39	34	39	29	39	42	38	41	24	30	27	42	42	42	32	23	36	37	38
39	30	36	35	34	27	45	43	38	39	22	36	29	37	36	37	33	21	40	34	49
57	27	36	46	38	51	55	42	53	48	48	43	41	40	50	44	45	56	40	43	50
51	57	49	50	52	61	55	53	49	50	48	58	51	41	43	46	41	34	45	49	72
46	17	29	28	18	27	50	38	40	29	23	30	36	29	36	37	39	27	40	34	43
32	28	36	39	29	40	48	44	43	35	31	46	31	43	38	36	39	26	41	35	40
29	19	33	34	27	30	50	42	37	41	26	40	31	37	36	35	38	36	39	36	52
59	30	34	47	35 N/A		49	45	50	47	29	48	42	41	48	44	45	31	39	38	56
34	18	33	40	25 N/A		45	42	43	39	35	43	36	40	37	41	39	41	37	39	52
43	27	41	38	37 N/A	N/A		36	43	36	36	51	37	38	44	49	37	19	32	36	58
49	17	24	29	26 N/A	N/A		27	40	25	21 N/A		23	26	35	38	29	24	27	30	35
61	43	46	59	50 N/A		55	50	56	57	58 N/A		51	43	51	49	52	51	51	49	69
44	62	62	62	61 N/A		57	61	60	57	35 N/A		58	57	53	56	56	39	56	55	69
54	21	33	45	31 N/A		48	39	44	46	30 N/A		38	34	39	34	35	36	40	40	52
51	24	32	38	37 N/A		61	40	58	37	27 N/A		34	44	57	51	42	35	49	39	38
45	15	27	43	30 N/A		41	31	33	36	27 N/A		30	24	31	32	32	33	32	29	31
53	29	43	39	35 N/A		49	41	41	50	32 N/A		43	36	42	47	45	37	44	40	52
41	15	43	43	42 N/A		61	43	44	41	30 N/A		44	36	42	42	52	28	50	38	63
42	28	43	49	30 N/A	N/A		43	45	54 N/A	N/A		44	32	35	39	54	46	48	39	65
39	32	39	45	36 N/A	N/A		44	47	52 N/A	N/A		40	33	43	42	43	37	48	39	47
36	21	31	34	32 N/A	N/A		37	37	38 N/A	N/A		35	34	34	35	36	23	36	40	47
36	29	30	30	23 N/A	N/A		32	34	33 N/A	N/A		29	33	32	33	31	29	30 N/A		39
40	21	34	45	34 N/A	N/A		41	44	45 N/A	N/A		41	31	35	39	39	35	42	36	54
24	25	40	35	31 N/A	N/A		40	39	32 N/A	N/A		29	39	36	34	38	23	39	37	42
62	35	38	51	43 N/A	N/A		46	51	59 N/A	N/A		41	41	48	48	41	34	49	49	50
35	11	36	30	31 N/A	N/A		30	37	34 N/A	N/A		25	26	33	33 N/A		13	37	29 N/A	
32	15	40	58	28 N/A	N/A		45	40	51 N/A	N/A		39	36	39	49	51	33	42	40 N/A	
50	14	38	42	30 N/A	N/A		41	37	42 N/A	N/A		39	30	32	39 N/A		39	40	33 N/A	
38	15	30	36	23 N/A	N/A		32	35	29 N/A	N/A		26	27	27	33	30	26	35	30 N/A	
51	15	37	41	26 N/A	N/A		37	40	46 N/A	N/A		40	35	36	39	36	39	38	33 N/A	
22	15	34	31	28 N/A	N/A		35	37	29 N/A	N/A		31	30	37	34	28	22	30	31 N/A	