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**EEB Evaluation Committee Monthly Meeting Agenda – DRAFT**

***MONDAY March 7, 2022 – 10:00-11:30***

ALL VIRTUAL MEETING – NO MEETING ROOM (recordings posted)

Meeting Materials in Box folder: is <https://app.box.com/s/>xxx

**New Link: Join Zoom Meeting** - <https://us02web.zoom.us/j/2534751779>

Phone in: 408/638-0968, Meeting ID: 253 475 1779

Backup only -**Call-In Number: 303/900-3524; WEB Access:** [**www.uberconference.com/skumatz**](http://www.uberconference.com/skumatz)

Join link with video only. *USE PHONE (NOT COMPUTER) FOR VOICE, AND MUTE WHEN NOT SPEAKING*

 *(Backup number – only if primary # doesn’t work –* [*https://zoom.us/j/2534751779*](https://zoom.us/j/2534751779)*; and use computer for voice.*

**COMMITTEE MEETING AGENDA-DRAFT**

1. **Call to order**
2. **Public Comment** 1 min
3. **Minutes and invoices –` 5** min
	1. February Minutes
	2. EA Team February invoice
4. **Non-Project Updates and Issues**  20 min
	1. Interim e-votes and meetings – (bottom of agenda)
	2. Covid Updates from utilities, if any
	3. Update on data sharing authorized by EA Team to reduce data requests / leverage data
	4. Working with Exec Secretary on getting current on posted studies – sent finals, presentations; Sent links to recordings.
	5. Status of Data requests and deliverables - separate data tracking form: Discuss R1983.
	6. PSD meetings: not yet started in earnest
	7. Request from C&I industry group for streamlined EM&V: EA attending, but may phase out. EA has 2 main points: utilities provide review / a priori estimates / claims, and Evaluation verifies against that for RRs (not against industrial firm calculations). EA also has concerns about how evaluability / tracking sufficient to support evaluation will be guaranteed.
	8. Roadmap progress / requirements (see new table at bottom of Agenda):
		* Required Utility memo on how Evaluation Results will be used complete; Required EA team response completed; Utilities modified some in response and revised included in 3/1 filing. One study for additional discussion – R1939 Early Retirement. Discussion planned 3/18. Will keep Committee advised.
5. **2022 Three year Research Area RFPs** 5 min
	1. 2/28 Responses from 2 teams for Residential & commercial; 3 responses from teams for XC
	2. Scoring / recommendation / documentation to Committee & utilities in March – possibly special meeting & evote to get contracting started asap
6. **Discussion on Data Issues Analysis by EA Team**
	1. Required quantitative indicators of data and PO turnaround / performance (per DEEP conditions of approval last year)
	2. Review of key data issues that need resolution – based on review of data recommendations from evaluation reports
7. **Discussion of Possible Changes to Evaluation Committee Documents / Meetings**
	1. Skumatz will provide documents *at least* 3 working days before meetings – changing deadlines for contractors
	2. Discussion -- Will report on requested feedback via SurveyMonkey on:
		* Committee willingness to read status reports and other documents prior to meetings, to provide time for real discussions during meetings.
		* Which reports the committee finds useful
		* Discussion topics of interest for meetings
		* Trainings of interest
		* Meeting length
		* Other comment
8. **Discussion of Project Status** (*Gantt, Project Summaries Provided monthly w/spend*) 15 min
* *Gantt Includes information on projects with results expected in time for 2022 PSD & Planning (also included as attachment).*
	1. C&I Projects (Gowans & Jacobs)
	2. Residential Projects (Wirtshafter & Skumatz)
1. **Status of EA Team non-project assignments for 2020/21 & Next Steps:**

|  |  |  |  |
| --- | --- | --- | --- |
| 2022 EA or Roadmap Deliverable | Status | Due | Completed |
| Eval in C&LM Plan Jan Briefing & Vote | Eval Committee vote for approval 1/10; Budgets approved by EEB | 1/12/22 | 1/12/22 |
| RFP for 2022-24 3-yr Research Areas | Issued 1/21, due 2/28 | 1/21/22 | 1/21/22 |
| Score / Recommend 3-yr Contractors | In process | Mar 2022 |  |
| Legislative Report – Evaluation Studies | For committee review Mar 2022 meeting | Not specified |  |
| EA contract renewal | Complete at ES, not at UI |  |  |
| PSD / Memo on use of Eval Reports by utils; responses by EA | Util Memo delivered 1/11/22 (6 wks after 12/1); EA response 2/11/22 (4 wks after memo); UI used in 3/1/22 filing; discussions of remaining issues 3/18/22 (mostly R1939) | 1/11 & 2/11 | 1/11, 2/11 met; follow-up discussions |
| Next PSD / Memo on use of Eval reports | 6 weeks after PSD#2 - studies close May 15 per Roadmap (util due); EA due 4 weeks later | 6 wks after 5/15 & 4 wks after |  |
| Eval Plan update | Need to complete earlier to be incorporated into C&LM Plan timing | Aug/Sept |  |
|  |  |  |  |

1. **Other items** –

**To do:**

\*\*\* Supporting Materials in Box folder and attached before meeting, including:

|  |  |
| --- | --- |
| * Updated Gantt Chart & Project Status Summary & data timeline report; Data status (attached)
* E-votes / call notes (attached / bottom of agenda)
 | * February minutes (attached)
* February invoice (coming)
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***Summary of 2020-21 Votes To Date - UPDATED;***

|  | Minutes for the month | SERA Invoice |
| --- | --- | --- |
| Feb 2022 | *Approved: Sent for Evote 2/9/22; Approved McLean & Donatelli 2/9/22; Viglione and Fay 2/10/22* | *For March Meeting* |
| Jan 2022 | *Approved: Sent for evote after Jan 2022 meeting: Sent 1/10, 2/4; Approved McLean 2/5, Donatelli 2/7; awaiting Viglione (assume no vote Fay)* | *Approved: Sent for Evote 2/9/22; Approved McLean & Donatelli 2/9/22; Viglione and Fay 2/10/22* |
| Dec 2021 | *Approved: Sent for evote after Jan 2022 meeting: Sent 1/10, 2/4; Approved McLean 2/5, Donatelli 2/7; awaiting Viglione (assume no vote Fay)* | *Approved: Sent both portions for evote 12/17. Approved Donatelli, Viglione, McLean 12/17.* |
| Nov 2021 | *Approved: Sent 12/14. Approved McLean 12/16, Viglione 12/17, Donatelli, 1/10.* | *Approved: Sent 12/14. Approve Donatelli, McLean 12/16. Viglione 1/10* |
| Oct 2021 | *Approved: Sent 12/14. Approved McLean 12/16, Viglione 12/17, Donatelli 1/10.* | *Approved: Sent for evote 11/23, resent 11/30 (Approved McLean, Donatelli on 11/30, Viglione 1/10).* |
| Sept 2021 | *Approved: July/Aug/Sept sent 9/26 for evote; (Sept amended, then approved 9/27 Donatelli & McLean) Awaiting Vigliione.* | *Approved: Sent for evote 10/26. Approved McLean 10/26, Donatelli on 10/27, Viglione 1/10).* |
| Aug 2021 | *Approved: July/Aug/Sept sent 9/26 for evote; approved 9/27 Donatelli & McLean, Viglione 1/10)* | *Approved: July/Aug sent for evote 9/13. (Approved McLean 9/14. Evote resent to others 9/26; Donatelli approved 9/27, Viglione 1/10).* |
| July 2021 | *Approved: July/Aug/Sept sent 9/26 for evote approved 9/27 Donatelli & McLean, Viglione 1/10).* | *Approved: July/Aug sent for evote 9/13. (Approved McLean 9/14. Evote resent to others 9/26; Donatelli approved 9/27, Viglione 1/10).* |
| Jun 2021 | *Approved - May and June Minutes-Sent for e-vote 7/1/21, 8/9/21, 9/9 (In favor, Donatelli, 9/7, Viglione 8/9, Resent, McLean approved 9/26)* | *Approved – Combined Apr/May/June sent for evote 9/3, (in favor Donatelli and Viglione 9/4, 9/7, resent 9/9, 9/26; McLean approved 9/26)*  |
| May 2021 | *Approved - Sent for e-vote 7/1/21, 8/9/21, 9/9 (In favor, Donatelli, 9/7, Viglione 8/9; Resent, McLean approved 9/26)* | *Approved – Combined Apr/May/June Sent for evote 9/3, (in favor Donatelli and Viglione 9/4, 9/7) , resent 9/9, 9/26; McLean approved 9/26)* |
| April 2021 | *Approved - Sent for evote 4/12, 4/22 (In favor, Wells, McLean, and Viglione 4/22/21)* | *Approved – Combined Apr/May/June Sent for evote 9/3, (in favor Donatelli and Viglione 9/4, 9/7) , resent 9/9, 9/26; McLean approved 9/26)* |
| Mar 2021 | *Approved , Sent for evote 3,8, 4/12, 4/22 (In favor, Wells, Viglione 4/22/21, McLean abstain)* | *Approved , Sent for evote 4/12, 4/22 (In favor, Wells, McLean, and Viglione 4/22/21)* |
| Feb 2021 | *Passed. Sent for Evote 2/8, 3/8, 4/12, 7/1 (In Favor: McLean 3/8, Viglione 3/8, Wells 7/1)* | *Approved , Sent for evote 4/12, 4/22 (In favor, Wells, McLean, and Viglione 4/22/21)* |
| Jan 2021 | *Passed. Sent for Evote 2/8, 3/8, 4/12, 7/1 (In Favor: McLean 3/8, Viglione 3/8, Wells 7/1)* | *Approved , Sent for Evote 2/8, 3/8, 4/12, 4/22 (In favor, Wells, McLean, and Viglione 4/22/21)* |
| Dec 2020 | *Passed, Sent for Evote 2/8, 3/8, 4/12; 4/12, 7/1 (In Favor: McLean 3/8, Viglione 3/8, Wells 7/1)* | Approved Evote 12/18 (Wells, Viglione, McLean)  |
| Nov 2020 | Approved / Evote Wells, McLean, Viglione (12/15/20) | Approved (with Oct) Evote Wells, McLean, Viglione (12/15/20) |
| Oct 2020 | Passed*: Sent for Evote 2/8, 3/8, 4/12, 7/1 (In Favor: McLean 3/8, Viglione 3/8, , Wells 7/1)* | Approved (with Nov) Evote Wells, McLean, Viglione (12/15/20) |
| Sep2020 | Passed Evote –McLean (11/5), Wells and Viglione (11/9) | Passed (with Aug) – Evote McLean (11/5), Wells and Viglione (11/9) |
| Aug 2020 | Passed Evote McLean, Wells, Viglione (8/17 all; sent 8/10) | Passed – Evote– in favor McLean (11/5), Viglione and Wells (11/9) |
| July 2020 | Passed sent for evote 2/8, 3/8, 4/12 *(In Favor: McLean 3/8, Viglione 3/8)* | Passed Evote McLean, Wells, Viglione (8/17 all; sent 8/10) |
| June 2020 | Passed Evote McLean, Wells, Viglione (8/17 all; sent 8/10) | Passed Evote McLean, Wells, Viglione (8/17 all; sent 8/10) |
| May 2020 | Passed via Evote: In favor, McLean, Viglione, Wells (6/5, 6/5, 6/8) | Passed via Evote: In favor McLean, Viglione, Wells (all 9/2, 8/17) |
| Apr 2020 | In meeting – Motion to approve SERA Invoice for April Passed. MOTION / 2nd (Wells / McLean). Passed with Wells / McLean in favor. Via evote, Viglione in favor 4/7 – Skumatz check / reversed | Passed in Meeting: Wells / McLean: in favor, Wells / McLean. Viglione in favor via evote 6/5. Skumatz check / reversed |
| Mar 2020 | Passed in April meeting: In favor McLean, Wells (4/6); Viglione E-vote 4/7  | Passed in April meeting: In favor: McLean, Wells, Viglione (4/6/20) |
| Feb 2020 | Evote Passed: In favor McLean (2/10); Wells 4/6; Viglione 4/7 | Evote Passed: In favor McLean (4/1); Wells 4/6 ; Viglione 4/7 |
| Jan 2020 | Evote passed: In favor O’Connor (1/16), Wells (2/10), abstain McLean (1/16).  | Evote passed. In favor Li and McLean, 2/10. (No vote from OCC / Taren and John in transition) |

**Other Votes / Meetings / Tracking (2021-2022)**

**Mar 2022 –**

* 3/10/22 3:30, Kickoff C2117 RCx Persistence Study Kickoff
* 3/4/22, 2pm, R1968 RNC Baseline & code compliance - Kickoff meeting (follow-up only for folks that couldn’t attend previous kickoff)

**Feb 2022 –**

* **VOTE / PASSED 2/10**: Agree to have project R1968 cover 2015 code update, add MF sample, and adopt the optional task for $20K addition, from the project X2234 “Emerging issues” from the 2022-24 Evaluation Plan (mentioned in the discussion included in the attached minutes; I have also attached the rationale memo from NMR) - Evotes from Donatelli & McLean 2/9; Fay and Viglione 2/10
* **VOTE / PASSED 2/10**: Agree to award the R1968 Phase 2 work to NMR on its existing PO, awarding project R2215 funds of $300K to allow smooth continuation of the project / no gap.  This awards the funds from a 2022-24 project to that existing PO. (minutes describe advantages) – Evotes from Donatelli & McLean 2/9; Fay and Viglione 2/10
* 2/15/22 R1968 RNC Baseline & code compliance - Kickoff meeting
* Special data meetings R1983 / UI
* 2/4/22 - Meetings on C&I verification refinement suggestion from CIE (Jan and Feb and ongoing)
* 2/3/22 - TRM meeting on level of detail of results for R1983 realization rates

**Jan 2022 –**

* 1/10 Stakeholder briefing for Phase 2 directions for R2015 (low load residential homes).
* 1/10 **APPROVED** EVALUATION PLAN, REVISED, by evaluation committee. In meeting.
* 1/12 Briefing with EEB on Evaluation Plan.
* 1/12 – **APPROVED BY EEB VOTE**
	+ 3-year Evaluation Plan and Budget - $14.775 million ($4.5 million, $4.5 million, $5.775 million across the 3 years)
	+ EA team budget – 2022=$444,110; 2023=$444,110; 2024=$531,155.
	+ EA Team scope of work; provided to utilities.
* Meetings on C&I verification refinement suggestion from CIE (Jan and Feb and ongoing; including C&I meeting, January)

**2021 Final Reports Issued**: 3/24 RR1973 ESRPP; 4/16 C1906 SEM Phase 1; 7/23 X1941 MF; 10/21 (or before) X1931-2 (CF&Loadshape), X1931-3 (air compressor), X1931-6 (HOU), X1931-7 (DD), X1931-8 (Adv. T-Stat); 11/22 R1959 Renov&Addn; 11/24 X1931 Early Retirement Phase 1; 12/14 C1901 C&I Sector-wide Process. Roadmap, Legislative report, Evaluation Plan.

**Dec 2021**

* ***Approved 2022-24 Evaluation Plan*** 12/17 (Sent 12/16; Donatelli abstain 12/16; McLean in favor 12/16; Viglione in favor 12/17) 2022=$4,500K; 2023=$4,500K, 2024=$5,775K
* ***Approved 2022-24 EA Team Budget 12/17***(Sent 12/17; Donatelli abstain 12/17; McLean in favor 12/17; Viglione in favor 12/17); 2022=$444,110, 2023=$444,110, 2024=$531,155
* ***Approved PO Budget reallocations, revised, replacing 10/26 version:*** *Sent 12/16, in favor Donatelli 12/16, McLean 12/16, Viglione 12/17. Add $203.6K to R1982; Add $8K to C1902; Add $25K to R2029; Addd $56K to R1965/2027/1983.*
* 12/17 - R1965/2027 HPs Key results presentation
* 12/14 – Final report - C1901 C&I Sector-wide Process
* 12/13 – X1931-4 (Lighting Controls) Phase 2 Kickoff
* 12/10 – X2022 Outreach / workforce Key results presentation

**Nov 2021**

* 11/24 Final Report - R1959 final report (R&A)
* 11/24 11/19 – R2014 Kickoff
* 11/22 Final report - X1931 Early Retirement Phase 1;
* 11/16 – Update on Evaluation to DEEP Day long workshop
* 11/9, 11/11, 11/12, 11/15 – Discussion meetings on Evaluation Project List, plus meeting
* 11/10 – Evaluation update to EEB

**Oct 2021**

* ***10/27 – PASSED Budget Realloc****: Evote to augment budgets for several projects: +211.6 for R1982 HP/HV Metering for covid stop/start, higher incentives, and meters remaining in a 2nd year; +25K for R2029 Wx from back-and-forth WAP data; and $56K for analysis of attribution and other issues related to HPs. (Votes in favor received: Donatelli 10/26, McLean 10/27). Awaiting Viglione.*
* 10/21 - X1931-8 (Adv. T-Stat)
* 10/21 – X1931-7 Report complete (HDD)
* 10/21 – Last 2021 PSD meeting with utilities
* 10/19 – R2014 – Phase 2 kickoff
* 10/19 – X1931-3 Report complete (Air Compressor)
* 10/18 – X1931-2 Report complete (CF& Load shape)
* 10/18 – X1931-6 Report complete (HOU)
* 10/13 – Eval presentation to EEB
* 10/1 – R2015 meeting

**Sept 2021**

* 9/17 – 2021 PSD redline from utilities (Ghani) to EA Team, requesting comments by 9/21. EA responded more time needed. Reviewed and called meeting with questions / discussion for 9/23. Utilities and EA reviewing the small number of comments raised / discussed to finalize shortly.
* ***PASSED 9/13:  C&LM Plan budget directions:***Approved agreement with discussion of the general structure of recommendations for C&LM Plan evaluation budgets to be forwarded to EEB Board – 1) increase evaluation project budgets to $4.5 million in 2022, increasing to $6 million by 2024.  2) Also approved agreement with general recommendation of structure for increasing EA Team budget by 35% with 50% increases in evaluation project budgets.   *Motion / Second: McLean & Donatelli in favor during Committee meeting Sept 13. Evote in favor from Viglione 9/14.*
* ***PASSED 9/13 NMR budget Add’n****: Approved R1983 NMR budget increase of $55,400 in meeting 9/13*. *McLean & Donatelli in favor during Committee meeting Sept 13. Evote needed from Viglione****.***
* ***PASSED: Approved Roadmap 9/9***: Sent 9/3, in favor McLean 9/4, resent 9/9, in favor Donatelli 9/9; awaiting Viglione, resent 9/26, abstains 9/28.
* 9/8/21 – Request for Evaluation Plan Project Ideas; first responses due 9/17

Aug 2021

* 8/5/21 - PSD 2020 update discussion meeting with EA / Utilities held; Reviewed about a dozen items that ERS review determined were not in redline. Decisions made/ERS re-reviewing for final redline for 2020 updates. To begin: updates from 2021 summer study results.

July 2021

* 7/8/21 - PSD 2020 update discussion meeting with EA / Utilities held; all dispositions for 2020 complete / agreed; forwarded to ERS for redlining and verification.
* 7/1 - Multiple Summer Presentation meetings held for use in PSD / Plan including: R2027 HP/HPWH Reliability & R1965 HP/HPWH Baseline & Potential (7/1); and C2014 C&I Lighting Sat & Remaining Potential (7/1).
* 7/1/21 - PSD 2020 update discussion meeting with EA / Utilities held

June 2021

* 6/25 – C1901 C&I Sector Wide Process Evalion Review Draft out for Review; 1 extra week means due 7/16.
* 6/22 – X1939 Early Retirement Report out for review; 1 extra week for review (due 7/13)
* 6/8-6/30 Multiple Summer Presentation meetings held for use in PSD / Plan including: X1941 MF (final presentation; 6/8 and 6/17); X1939 Early Retirement (6/14); R1959 SF Reno & Addn (6/17); X1931-6 Hours of Use (6/21); X1931-7 Degree Days (6/21); X1931-4 New Measure-Lighting Controls Res/C&I (6/23); C1901 C&I Sector-Wide Process Eval (6/24); X1931-1 ISP Com’l Boiler & Furnaces (6/28); X2001 EUL C&I (6/28); X2022 Educ/Workforce Initiatives (6/29); X1931-2 Coincidence Factor & Loadshape (6/30); New Measure Compressed Air (6/30); New Measure R/C&I Thermostats (6/30).
* 6/3, 6/10, 6/17, 6/24 - PSD update meeting / EA & companies
* ***Passed 6/9 Award Project R2015***: Evote approving recommended contractor (Evergreen) for project R2015. (McLean 6/9, Viglione and Li 6/11). Should be contracted by utilities along with R1968 asap.
* 6/3 PSD update meeting / EA & companies

May 2021

* 5/21 X2022 Phase 1 presentation / methods / best practices
* 5/19 SEM Phase 1 repeat presentation
* 5/6 Kickoff 3 “New Measure” projects (air compressor, advanced thermostats, advanced lighting controls)
* 5/6 - PSD update meeting / EA & companies

April 2021

* 4/15 C1906 SEM Phase 1 Presentation
* ***4/12 PASSED: Augment SERA Budget, add $69K to initial budget of $328,970***, transferring from X1940; All in favor in April Evaluation Committee meeting. Documented in memo dated 4/12.
* 4/7 R1973 Retail Products Final Presentation
* 4/1, 4/8 - PSD update meeting / EA & companies

March 2021

* 3/30 C1902 ECB NTG and Baseline K/O
* 3/22 X1942 NEI Kickoff
* ***PASSED 3/30 Award Projects***: 3/15 Evote Approval of Memo on RFP Project Award Recommendations (Viglione 4/15; Wells 3/30, McLean 3/29)
* 3/12 RFP responses due to EA Team
* 3/12 Repeat Kickoff X2022 Engagement project for those that couldn’t attend 3/3 (added due to storm duties)
* **Possible EVOTE OUTSTANDING/checking**: 3/8 Legislative report sent for evote, resent 4/12; In favor Viglione 3/16.
* 3/8 Kickoff for X1931-6 HOU/Load Shapes Project
* 3/ 4, 3/18 EA Team / utility meeting on PSD update process
* 3/3 Kickoff X2022 Engagement

February 2021

* 2/18 EA Team / utility meeting on PSD update process
* 2/5 R1973 Retail Products Review Draft Report sent to Committee for Review – due 2/19.
* 2/4 EATeam / Utility meeting on PSD update process
* 2/4 Legislative Report sent to committee for Review – due 2/19

January 2021

* ***PASSED: 2021 Eval Plan Update 1/27*** – 2021 Evaluation Plan Update ***Evoted and passed*** (1/27 McLean, 1/27 Wells, 1/28 Viglione)
* 1/25 Eval Committee Discussion on the 2021 Evaluation Plan Update
* 1/25 C1906 SEM Phase 1 (Eval Best Practices) Review Draft Report sent to committee for review - due 2/8
* 1/22 Eval Committee Discussion on the 2021 Evaluation Plan Update
* 1/4 - PSD update meeting / EA & companies