

# eTRM Opportunities for Integration



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- DEER has served a purpose inside and outside California.
- DEER started in the 80's (!!!!!)
- DEER is more than simulations
- It integrates CEUS, Title 24, Market data, etc..
- Many other integration / standards efforts are underway
- Opportunities abound to keep eTRM relevant and integrate with new datasets

# Opportunities for Integration

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- Cal Ratepayer-Funded
  - Efficiency Proceedings
    - ✱ 13-11-005
    - ✱ Diablo Canyon (coming soon)
  - [Distributed Resource Plans](#) (why DRP? - > Load shapes matter!!)
  - Open EE Meter / CalTrack (metered savings, but what about Non-routine adjustments?)
  - PGE Commercial Building Pilot
  - CEDARS
  - EM&V
  - EDAPT – also funded by munis
  - COFFEE – Funded by NGrid Open Source replacement funded through BRICR and non-DOE funding.
- DOE-Funded (May include co-funding from others)
  - Open Efficiency Initiative DOE PSD/TEC/LA County
  - BRICR – BayRen Integrated Commercial Retrofits
  - Building Score Manager (PNNL)
  - CBES (<http://cbes.lbl.gov>)
  - CityBES (<http://citybes.lbl.gov>)
  - BEDES
  - Building Sync
  - EnergyPlus
  - Open Studio – Also funded through BPA, NYSERDA, private foundations, other utilities
- Program Integration (beyond Workpapers . . .)
  - Emerging Technology
  - Savings by Design
  - Others?

# Opportunities for Integration

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- CEC
  - ab758 Action Plan – many potential opportunities
  - Title 24 Compliance software CBECC-COM
  - Integrated Community Resource Market (modeling)
    - ✦ UrbanFootprint RapidFire
    - ✦ <http://calthorpeanalytics.com>
  - CEC Building prototypes
- Prop 39 (Schools)
- CABEC – Title 24 compliance resources
- ICP / BuildingButton
- IBPSA

# Conclusion

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- Other opportunities for integration/leveraging
  - Tools
  - Programs/initiatives
  - Organizations/People
- Cal TF Staff Question
  - What organizations should be pulled in to ensure integration/leveraging happens?