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CALCTP ACCEPTANCE TEST
TECHNICIAN CERTIFICATION
PROVIDER ANNUAL REPORT
PERIOD ENDING SEPTEMBER 30, 2015

Prepared by: The California Advanced Lighting Controls Training
Program (CALCTP)

Submitted by: Mark V. Ouellette, CALCTP Administrator
October 30, 2015

Lighting Controls Acceptance Test Technician Provider (LCATTP) Annual Report

Introduction

The 2013 California Building Energy Efficiency Standards (“2013 Code”) requires lighting control acceptance tests to be performed by trained and certified Lighting Control Acceptance Test Technicians.¹

The California Advanced Lighting Control Training Program (CALCTP) received interim approval as a lighting control acceptance test technician provider (LCATTP) on April 1, 2014 and final approval as a LCATTP on November 17, 2014. Furthermore, CALCTP demonstrated that the industry threshold certification of at least 300 lighting control acceptance test technicians was met and approved by the California Energy Commission on June 16, 2014.

Pursuant to 2013 Code tit. 24 Part 6, § 130.4, subd (d) the LCATTP shall provide an annual report to the CEC summarizing the certification services provided over the reporting period and to date. As outlined in an email dated August 27, 2015 from Mr. Joe Loyer of the CEC, this report is to include the following elements:

1. The total number of Acceptance Test Technicians and Employers certified by the ATTCP during the reporting period and to date.
2. Summarize the number of projects and acceptance tests performed by permitting agency.
3. Report any administrative actions taken by the ATTCP to correct problems with Acceptance Test Technician field performance.
4. A signed certification that the ATTCP has met all requirements for this program as specified in their application as approved by the Energy Commission.
 - Note any modifications or deviations from the approved application as necessary.

In addition, the email dated August 27, 2015 indicated the first annual report was to be submitted to the Commission on November 1, 2015. For this first report, CALCTP will be providing numbers based on receipt as an interim LCATTP on April 1, 2014 through September 30, 2015. Future LCATTP Annual Reports will proceed from October 1 through September 30 of the subsequent year. The remainder of this report and appendices will address the four items outlined by Mr. Loyer in the August 27, 2015 email.

I. The total number of Acceptance Test Technicians and Employers certified by the ATTCP during the reporting period and to date.

As of September 30, 2015, CALCTP has certified 943 Lighting Controls Acceptance Test Technicians to perform the acceptance tests in Building Energy Efficiency Standards, Section 130.4. Each of these technicians has met the minimum pre-qualifications requirements, completed the classroom and hands-on training requirements and passed the certification exam. These 943 certified technicians include electrical contractors, certified general electricians, professional engineers, certified commission professionals, and lighting control manufacturer representatives.

Attached as Exhibit A is a list of the names and certification identification numbers for each of the CALCTP-AT certified Lighting Controls Acceptance Test Technicians.

¹ Cal. Code Regs., tit. 24 Part 6, § 130.4, subd (c).

done correctly. CALCTP projected that at least 250 projects would be conducted and a 98% percent confidence interval would require that 12% of the projects would be audited. Of the 1,387 projects conducted through September 30th, CALCTP's Quality Assurance provider, ICF International (ICF), conducted 110 quality assurance audits or 8%. The variance was due to staff turnover and adjustments needed in staffing levels to meet the number of acceptance tests being conducted. New staff are on board and projects are currently being audited at the 12% level.

III. Report any administrative actions taken by the ATTCP to correct problems with Acceptance Test Technician field performance.

As outlined in our initial application, CALCTP is using the following process to conduct quality assurance on its projects.

Failed Item versus a Failed Test

A “failed Item” constitutes a category of failure on the part of the lighting controls acceptance test technician such as: failure to ensure appropriate documentation is available and complete; failure to conduct automatic daylight controls tests, lighting shut-off control tests, outdoor lighting control tests or demand responsive controls test; failure to verify power adjustment factors are correct when claimed; or failure to confirm installed lighting controls are certified to the California Energy Commission.

A “failed test” occurs when at least one of the threshold specifications is not met during the testing and inspection process. “Threshold Specifications” is a set of specific pass/fail criteria for each lighting control device or system requiring acceptance testing. Threshold specifications are established for minimum performance levels necessary to pass acceptance tests as outlined in the California Advanced Lighting Controls Training Program—Acceptance Test Technician Course.

Potential Failed Items

A failed test would include one or more of the following items:

- Occupant Sensors serving small zones in a large open office plan for Power Adjustment Factor (PAF)
 - Technician did not complete the automatic shutoff controls acceptance tests for occupancy sensors serving small zones in a large open office plan or properly document all results on the acceptance certification NRCA-LTI-02-A.
 - Incorrect power adjustment factor (PAF) is documented on Certificate of Acceptance NRCA-LTI-02-A (Part 5).
 - Zones, where a PAF is claimed, are not separately listed on Certificate of Acceptance NRCA-LTI-02-A (Part 5).
 - Occupant sensors are triggered by movement outside their assigned zone.
 - Occupant sensors are not listed in the CEC appliance database or approved for use by the CEC.

- Energy Management Control System (EMCS) functioning as an indoor lighting control that requires an acceptance test (per NRCI-LTI-02-E)
 - Technician did not complete the automatic shutoff controls acceptance tests for the type of control the EMCS is designed to replace or did not properly document all test results on the acceptance certificate NRCA-LTI-02-A.
 - EMCS was not tested once for each type of indoor lighting control it is designed to replace.
 - If the EMCS acts as an automatic time-switch control, a manual override (manual switch) is not installed in each indoor area served by the EMCS.
 - If the EMCS acts as part of an occupancy-based lighting control, the lighting system under its control turns OFF no later than 30 minutes after the space becomes vacant.
- Automatic Daylighting Controls
 - Technician did not complete the automatic daylighting controls acceptance tests or properly document all results on the acceptance certificate NRCA-LTI-03-A.
 - All required daylit zones are not shown on building plans.
 - Completed acceptance test document NRCA-LTI-03-A does not accurately account for all daylit control zones.
 - Luminaires outside the daylit zone are controlled by the same automatic daylighting control as luminaires inside the daylit zone.
 - Test results from the No Daylight Test, Full Daylight Test and Partial Daylight Test are not documented on acceptance test form NRCA-LTI-03-A.
 - Automatic daylighting control device is not listed in the CEC appliance database or approved for use by the CEC.
- Indoor Shut-off Controls – Automatic Time Switch Control
 - Technician did not complete the automatic time switch control acceptance tests and document the results on acceptance certificate NRCA-LTI-02-A.
 - Device is not programmed with a weekend schedule that matches the owner’s operating plan or other programming guidelines provided to the technician for the space/building.
 - Device is not programmed with a holiday schedule that matches the owner’s operating plan or other programming guidelines provided to the technician for the space/building.
 - Device override time limit is greater than 2 hours.
 - All individual control zones (or sampled zones when using a sampling method) are not documented on the acceptance certificate NRCA-LTI-02-A.
- Demand Response Controls
 - Technician did not complete the demand responsive lighting controls acceptance tests and document the results on the acceptance certificate NRCA-LTI-04-A.
 - Technician did not confirm the maximum DR reduction is less than 50% of full output.
 - DR controls are not capable of receiving a demand response signal from a utility or 3rd party aggregator.
- Outdoor Controls

- Technician did not complete the outdoor lighting controls acceptance tests or document results on the acceptance certificate NRCA-LTO-02-A.
- Technician did not verify that outdoor lighting was OFF during the day.
- Outdoor lighting is not OFF during the day.
- Technician did not test all outdoor motion sensors.

Additional Oversight For Failing a Quality Assurance Audit

If a lighting controls acceptance test technician and/or a lighting controls acceptance test employer has failed either a paper quality assurance audit or an on-site-quality audit, both the CALCTP-AT Technician and the CALCTP-AT Employer will receive additional quality assurance oversight. AT-T

Technicians and employers that fail a quality assurance site visit are subject to the following remedial actions.

Result	% of Projects Audited	Action That Will Be Take
Failed Either a Paper or On-Site Quality Assurance Audit	50% of Future Projects Audited until they have passed 2 audits	On-Site Quality Assurance Audit Only
Failed a Second Quality Assurance Audit, the Second is an On-Site Audit	100% of Future Projects Audited, until passed 4 audits	On-Site Quality Assurance Audit Only
Failed a Third Quality Assurance Audit, while still in the failed pool.		Recommendation sent to CALCTP Board to Terminate from CALCTP-AT Program

Of the 110 projects reviewed by CALCTP under its quality assurance program, three projects were deemed to have failed results requiring remedial action. Each of those three projects involved an on-site audit that found a test result that was not able to be replicated. Two of the failed test results involved an automated demand response control and one of the failed test results involved an automatic time switch. The test results were corrected and the three technicians were placed into the first remedial action category requiring 50% of future projects to be on-site quality assurance tested until they have passed 2 audits. So far, none of the three technicians have failed a second audit.

In addition, paper audits identified 12 projects that erroneously failed to check the box verifying that the occupancy sensor was on the Title 20 list of approved equipment. The technicians informed us that they missed this item due to its location on the form. These errors were corrected and CALCTP determined that the errors did not rise to a level requiring further remedial action. CALCTP has noted the frequency of this error and will make this requirement a point of emphasis in future trainings.

IV. A signed certification that the ATTCP has met all requirements for this program as specified in their application as approved by the Energy Commission.

No modifications or deviations from the approved application as necessary have been developed by CALCTP since final approval as an LCATTP on November 16, 2014. However, CALCTP is in the process of updating its curriculum to address the updates to lighting acceptance test requirements that will be contained the 2016 edition of Title 24.

Mark V. Ouellette

Mark V. Ouellette
CALCTP Administrator on behalf of the CALCTP Board

EXHIBIT A – CALCTP-AT TECHNICIAN LIST

Last Name	First Name	AT-Technician Certification Number
Aboueljoud	Jamal	TC-A813633
Abriol	Ryan	TC-A814070
Abundis	Peter	TC-A814213
Aceves	Juan	TC-A814096
Adamson	Justin	TC-A813870
Aguilar	Ernest	TC-A814097
Aguilera	John	TC-A814142
Akenson	Milton	TC-A813658
Alcantara	Edgar	TC-A813114
Alex	Erin	TC-A813800
Alexander	Jason	TC-A813911
Allen	Randall	TC-A813186
Almond	Frank	TC-A813550
Alsawaf	Kamal	TC-A814071
Althouse	Dannie	TC-A814183
Altomare	Christopher	TC-A813871
Alvarado	Saul	TC-A813719
Alvarez	Ceferino	TC-A813266
Aman	Rashid	TC-A813566
Amaya	John	TC-A814145
Amiot	Kenneth	TC-A814125
Amison	Jeremy	TC-A813912
Ammerman	Jeff	TC-A813841
An	Kyungseok	TC-A813886
Andersen	Soren	TC-A813739
Anderson	Richard	TC-A813992
Andrews	Eric	TC-A813801
Anguiano	Jose	TC-A813599
Anguiano Jr.	Benjamin	TC-A813755
Apple	Kenneth	TC-A813397
Appleton	Jason	TC-A813248
Aragon	Nolan	TC-A813670
Araiza	Bruno	TC-A813484
Area	Craig	TC-A813913
Arellano	Armando	TC-A813228
Arribere	Jeff	TC-A814017
Arunachlam	Senthil Kumar	TC-A814222
Atwater	Stephen	TC-A814230
Avila	Octavio	TC-A813802
Ayala	Ruben	TC-A813438
Bacher	Norman	TC-A813485
Bacio	Ernest	TC-A814155
Badillo	Jesus	TC-A814156
Bahrami	Mehdi	TC-A814223
Bailey	John	TC-A814165
Ball	Michael	TC-A813363
Balogh	Brian	TC-A814084

EXHIBIT A – CALCTP-AT TECHNICIAN LIST

Banks	Carolyn	TC-A814072
Barber	Kathleen	TC-A813001
Barber	Lisa	TC-A813171
Barber	Shaun	TC-A813840
Barbour	John	TC-A813659
Barraclough	Chet	TC-A813776
Barragan	Roberto	TC-A813756
Barrett	James	TC-A813730
Barretta	Jonathan	TC-A813226
Barrow	Steven	TC-A813731
Bartleson	David	TC-A813470
Barton, Jr.	William	TC-A813188
Bates	Daniel	TC-A813567
Batterton	Rick	TC-A813311
Baxter	Michael	TC-A813212
Beattie	Tracy	TC-A813710
Beck	Tyler	TC-A813745
Beck	Chase	TC-A814195
Benjamin	David	TC-A814039
Bennett	Jeremy	TC-A813914
Bernardino	Jeffrey	TC-A813601
Berokoff	John	TC-A814202
Blackburn	Corey	TC-A814002
Blake	Luis	TC-A813568
Blancas	Robert	TC-A813887
Blaschak	Vincent	TC-A813189
Bloomberg	William	TC-A814106
Blumer	Nick	TC-A814107
Bonham	Jeremiah	TC-A813888
Boone	Gregory	TC-A813872
Boren	Mark	TC-A814214
Boryszewski	John	TC-A813889
Bowden	Mark	TC-A813144
Bozzo	Tullio	TC-A813777
Bradshaw	Matthew	TC-A813746
Bray	Timothy	TC-A814131
Breslin	Kenneth	TC-A814122
Bretz	William	TC-A813956
Breuker	Klifford	TC-A813742
Brindley	Timothy	TC-A813426
Brooks	Jerry	TC-A813375
Browne	Brett	TC-A813353
Browne	Mark	TC-A813957
Brugaletta	John	TC-A813823
Bucher	Adam	TC-A813972
Burchfield	Samuel	TC-A814132
Burgos	Francisco	TC-A814108
Bussell	Paul	TC-A813002

EXHIBIT A – CALCTP-AT TECHNICIAN LIST

Butler	Jacob	TC-A813732
Butterly	Patrick	TC-A814038
Byrne	Mark	TC-A813634
Caal	Temistocles	TC-A813003
Cadaret	James	TC-A813569
Calabrese	Vincent	TC-A813214
Camacho	Raymundo	TC-A813376
Campos	Michael	TC-A813856
Caravelli	Mike	TC-A813728
Cardona	Tim	TC-A813827
Carel	David	TC-A813621
Carey	Nathan	TC-A813788
Carillo	Michael	TC-A813939
Carini	Mark	TC-A813915
Carle	Scott	TC-A813401
Caropepe	Jon	TC-A814133
Carr	Mark	TC-A813298
Carroll	Patrick	TC-A813255
Cashman	Eric	TC-A813758
Castaneda	Joe	TC-A813190
Castle	Richard	TC-A813759
Cervantes	Carlos	TC-A813873
Chabner	Luke	TC-A813978
Chamney	Darrin	TC-A813916
Chappell	Ronald	TC-A813979
Chavez	Hector	TC-A813812
Chiapuzio	Donald	TC-A814215
Chiara	Edward	TC-A813249
Chick	Merle	TC-A813205
Chinn	Terrence	TC-A814040
Chis	Sorin	TC-A813717
Christopher	Marshall	TC-A813903
Chryst	Dale	TC-A813086
Chuppa	Allan	TC-A814196
Cicero	Christopher	TC-A813273
Clark	David	TC-A813054
Clark	Shane	TC-A813191
Clark	Joseph	TC-A813675
Clark	James	TC-A813842
Clegg	Brien	TC-A813902
Cline	Scott	TC-A813112
Clinton	Micahel	TC-A813676
Cochran	Joseph	TC-A813529
Cochran	Casey	TC-A814231
Cohen	Matt	TC-A814004
Collins	Robert	TC-A813980
Conaty	Patrick	TC-A813452
Connaughton	Kevin	TC-A813789

EXHIBIT A – CALCTP-AT TECHNICIAN LIST

Cooper	Clyde	TC-A813813
Cordova	Richard	TC-A813570
Cornelius	Robert	TC-A813760
Corona III	Guillermo	TC-A813444
Corral	Jose	TC-A813861
Cortinas	Justin	TC-A813354
Cossey	Chris	TC-A813377
Covarrubias	Jose	TC-A814203
Cowdery	Travis	TC-A814157
Cowen	Brian	TC-A814184
Cowles	Gary	TC-A813803
Cozzolino	Mathew	TC-A814041
Craig	Christopher	TC-A813546
Cregar	Edward	TC-A814003
Cresci	Mark	TC-A814134
Crissy	Shawn	TC-A813677
Cross	Thomas	TC-A813622
Cruz	Juan	TC-A813890
Cuario	George	TC-A813313
Cummings	Josh	TC-A813701
Cvek	Thomas	TC-A813917
Cypert	Joel	TC-A813571
Dale	Randal	TC-A813378
Daly	Finbarr	TC-A814018
D'Amato	Gaetano	TC-A813267
Damond	Octave	TC-A814201
Daniels	Michael	TC-A813904
Dann	Troy	TC-A813274
Dav	Matthew	TC-A813720
Davallou	Amir	TC-A813958
Davis	Anthony	TC-A813461
Davis	Jeff	TC-A813891
Davis	Stephen	TC-A814146
De Anda	David	TC-A813761
De La Rosa	Nino	TC-A813711
Deaton	Bert	TC-A813498
Deckard	Eric	TC-A813744
Decker	James	TC-A814147
Dedek	Jon	TC-A813635
DeFrates	Jason	TC-A814042
DeKruyf	David	TC-A813471
Del Ponte	Daniel	TC-A814019
Deleon	Francisco	TC-A813041
Delic	Damir	TC-A814020
Delorio	Eric	TC-A814021
DeMarco	Christopher	TC-A814166
Dena	Juan	TC-A813174
Denisi	Christopher	TC-A813432

EXHIBIT A – CALCTP-AT TECHNICIAN LIST

Denning	Clark	TC-A813636
Dentoni	Raymond	TC-A814126
DeSanto	Alberto	TC-A813010
DesLauriers	Richard	TC-A813026
Devee	David	TC-A814204
Devine	Ryan	TC-A813453
Dewit	Bryan	TC-A814135
Dickey	Donald	TC-A814022
Diehl	Lloyd	TC-A813011
Dineen	Daniel	TC-A814054
Dinkfeld	Garrick	TC-A813778
Dixon	John	TC-A813950
Dobashi	Bob	TC-A813857
Dobrick	Gary	TC-A813918
Dohan	Jeffrey	TC-A813058
Dolan	Mike	TC-A813229
Donoghue	Troy	TC-A814130
Dorsey	Marcus	TC-A813282
Dowd	William	TC-A813747
Downward	Kris	TC-A814059
Doyle	Chris	TC-A813090
Drake	Finlay	TC-A813779
Drexhage	Thomas	TC-A813161
Dubinsky	Kyle	TC-A814023
Dworak	Kevin	TC-A814085
Ebert	Stephen	TC-A813648
Eccleston	Justin	TC-A813892
Ecker	Aaron	TC-A813678
Elias	Roy	TC-A813763
Elkins	Eric	TC-A813216
Elliott	Jesse	TC-A813563
Elliott	Gregory	TC-A813814
Ellis	Todd	TC-A813323
Ellis	Martin	TC-A813661
Ellison	Charles	TC-A814024
Elson	Robert	TC-A813733
Emerzian	Ronald	TC-A813945
Engelhart	Paul "Chip"	TC-A813959
Enriquez	Jose	TC-A813180
Enriken	David	TC-A814060
Erami	AliReza	TC-A813944
Ernst	Maurice	TC-A813511
Escobar	Paul	TC-A813836
Espinoza	Rusty	TC-A813874
Estrada	Carlos	TC-A813512
Evans	Michael	TC-A814221
Everal	Timothy	TC-A814198
Fajardo	Anthony	TC-A813513

EXHIBIT A – CALCTP-AT TECHNICIAN LIST

Fakih	Moe	TC-A814185
Farnsworth	Timothy	TC-A813649
Favela Gomez	Abel	TC-A813893
Feldman	Dean	TC-A814186
Felker	Andrew	TC-A813790
Ferguson	Anthony	TC-A813037
Ferguson	Marilyn	TC-A813379
Ferguson	Steven	TC-A813828
Ferrari	John	TC-A814167
Ferraro	Julio	TC-A813275
Ferraz	Trevor	TC-A813283
Ferriols	Myra	TC-A814073
Fillmore	Samuel	TC-A813299
Finau	Stephen	TC-A814127
Finkel	William	TC-A813437
Flores	Samuel	TC-A814005
Fonseca	Mynor	TC-A813514
Fonte	Nelson	TC-A813193
Forbes	Tom	TC-A813039
Ford	George	TC-A813116
Forhan	Brannon	TC-A814074
Foster	Matthew	TC-A813515
Fox	Yuriy	TC-A814053
Francis	James	TC-A813473
Francis	Michael	TC-A813993
Francis	Troy	TC-A814143
Frank	Robert	TC-A813838
Frantz	Jay	TC-A813748
Freeman	Michael	TC-A813935
Friebertshouser	Seth	TC-A813960
Fuata	Daniel	TC-A813961
Fuller	Tyler	TC-A813734
Galik	William	TC-A813981
Gallashaw	Timothy	TC-A813325
Gamwell	Chad	TC-A814086
Gantenbein	Justin	TC-A814168
Garcia	Francisco	TC-A813089
Garcia	Louie	TC-A813500
Garcia	Carlos	TC-A813517
Garcia	Jack	TC-A813679
Garcia	Alejandro	TC-A813830
Garvin	David	TC-A813977
Garza	Francisco	TC-A813712
Gastelum	Antonio	TC-A813905
Gatlin	Jeff	TC-A813015
Geist	Philip	TC-A814211
Gentry	Samual	TC-A813875
George	Rod	TC-A813702

EXHIBIT A – CALCTP-AT TECHNICIAN LIST

Ghilarducci	Matt	TC-A814182
Giles	Daren	TC-A813126
Gill	Robert	TC-A814123
Gillard	Joseph	TC-A813250
Godinez	Ron	TC-A814187
Godinho	Jeffrey	TC-A813805
Goehner	John	TC-A813919
Goetz	Blaine	TC-A814006
Gomes	Lyn	TC-A813531
Gonzales	Frank	TC-A814205
Gonzalez	Benjamin	TC-A813251
Gonzalez	Jeremy	TC-A813573
Gonzalez	Michael	TC-A813862
Gonzalez	Luis	TC-A813876
Goodrich	Basil	TC-A813028
Ghilarducci	Matt	TC-A814182
Goodwin	Michael	TC-A813014
Gorham	Patrick	TC-A813017
Grabill	Roger	TC-A813407
Grace	Daniel	TC-A813368
Graham	David	TC-A813941
Green	Lance	TC-A813501
Green	Steven	TC-A814109
Greene	Brendan	TC-A813268
Greene	Steven	TC-A813609
Greenwood	Stuart	TC-A813815
Griffin	Timothy	TC-A813764
Groh	Jay	TC-A813408
Groom	Daniel	TC-A814169
Grose	Joshua	TC-A813695
Gruenhagen	Joel	TC-A813151
Gumataotao	Jason	TC-A813955
Gutierrez	Nick	TC-A813133
Gutierrez	Josh	TC-A813703
Gutierrez	Jose	TC-A813863
Gutierrez	Ramon	TC-A813877
Gutierrez	Eric	TC-A814117
Gutman	Zinovy	TC-A813210
Gutzmer	Jake	TC-A813920
Haag III	Louis	TC-A813982
Hakanson	Gregory	TC-A813852
Hale	Jason	TC-A814055
Hall	Philip	TC-A813213
Hamel	Dustin	TC-A813637
Hamner	John	TC-A813835
Hampton	Robert	TC-A813743
Hanna	Bradley	TC-A813921
Hansen	David	TC-A813726

EXHIBIT A – CALCTP-AT TECHNICIAN LIST

Hansen	Dennis	TC-A813727
Hanvey	Jon	TC-A813300
Haring	Richard	TC-A813533
Harrington	Timothy	TC-A813502
Harrington	Ian	TC-A813534
Harwood	Earl	TC-A813922
Haskell	Brian	TC-A813623
Hass	Michael	TC-A814087
Hauser	Alan	TC-A813175
Hawkins	Mark	TC-A813176
Hayes	Arthur	TC-A813839
Hazen	Micah	TC-A814224
Heath	Stephen	TC-A813962
Heck	Paul	TC-A813780
Heidari	Seyed Mohammadali	TC-A813638
Heimbuecher	Ronald	TC-A813547
Heimer	Rick	TC-A813806
Heister	John	TC-A813951
Heizmann	Emil	TC-A814043
Helseth	Kirk	TC-A813736
Hemingway	Scot	TC-A813038
Henderson	Robert	TC-A813680
Henderson	Dennis	TC-A813933
Henderson	Michael	TC-A814124
Henry	Dwayne	TC-A814075
Hernandez	Wilfred	TC-A813049
Hernandez	Luis	TC-A813681
Hernandez	Robert	TC-A813682
Hickok	David	TC-A813059
Hlatky	Matthew	TC-A813252
Hodzic	Sabahudin	TC-A813409
Hoening	George	TC-A814225
Hoff	Ray	TC-A813338
Hoffman	James	TC-A813366
Hoffman	Daniel	TC-A813994
Holder	Dwayne	TC-A813029
Hollister	Matthew	TC-A813721
Holm	Kevin	TC-A814232
Holston	Bruce	TC-A813949
Holt	Daniel	TC-A813060
Homutoff	Alan	TC-A813061
Honea	Stephen	TC-A813510
Honesto	Corinna	TC-A813651
Hong	Jason	TC-A814110
Hoops	Jason	TC-A813860
Hoover	David	TC-A813025
Hoppe	Matt	TC-A814056
Hopper	Joseph	TC-A813446

EXHIBIT A – CALCTP-AT TECHNICIAN LIST

Horrell	Andrew	TC-A813552
Horton	Richard	TC-A813906
Hotarek	Sheldon	TC-A813474
Houseworth	Paul	TC-A813134
Houska	Stephen	TC-A813878
Howard	Bradley	TC-A813431
Hoyt	Jeffrey	TC-A814088
Hudnall	Jarvis	TC-A813907
Hughes	Rhonda	TC-A813411
Hui	Alex	TC-A814025
Hummel	Carey	TC-A813394
Hunsucker	Randy	TC-A813592
Hunter	Mike	TC-A813879
Huynh	Vu	TC-A813062
Huynh	Thai Q	TC-A813094
lao	Chi	TC-A814233
Icaza	Peter	TC-A813412
Ivicevic	John	TC-A814076
Jackson	Lynelle	TC-A813963
James	Milton	TC-A813971
Jaquez	Hugo	TC-A813295
Jaramillo	Alexander	TC-A813749
Jenks	Carl	TC-A813314
Jensen	Kyle	TC-A813535
Johnson	Kevin	TC-A813625
Johnson	Eric	TC-A813766
Johnson	Brian	TC-A813923
Jones	Timothy	TC-A813284
Jones	Casey	TC-A813553
Jones	Anthony	TC-A813585
Jones	Brian	TC-A813662
Jones	John	TC-A813964
Juan	Ernie	TC-A814181
Judilla	Benedicto	TC-A814234
Kalnas	Michael	TC-A814226
Kamangar	Hiva	TC-A814089
Kane	David	TC-A813737
Kaneko	Joshua T	TC-A813098
Kaspar	David	TC-A813767
Kauer	John	TC-A813413
Kelly	Charles	TC-A813475
Keplinger	Edward	TC-A813415
Kiefel	Pius	TC-A814007
Kilcoyne	Sean	TC-A813984
Kim	Jung	TC-A813807
Kim	Seog	TC-A813995
Kim	Victor	TC-A814090
Kincade	John	TC-A813574

EXHIBIT A – CALCTP-AT TECHNICIAN LIST

King	Kevin	TC-A813858
Kirchner	Daniel	TC-A813371
Kirchwehm	Matthew	TC-A813924
Kita	Nozomu Jimmy	TC-A813683
Kjensrud	Jerry	TC-A813934
Kleinbard	Martin	TC-A813610
Klingenhofer	Wayne	TC-A813302
Knowles	Travis	TC-A813864
Ko	Eui	TC-A813880
Korneff	David	TC-A813611
Kositch	Jeffrey	TC-A813722
Kursave	Kevin	TC-A813983
Kursave	Gregory	TC-A814199
Kyriakides	Joe	TC-A814129
Lablaiks	Maxwell	TC-A813555
Lacki	Stephen	TC-A814026
Lacombe	David	TC-A813741
Laine	Kyle	TC-A813697
Laird	Chris	TC-A813360
Lamontagne	Lawrence	TC-A813536
Landin	John	TC-A814081
Landwehr	Casey	TC-A813991
Lane	Chris	TC-A813439
Lara	Nick	TC-A814061
Larger	John	TC-A814027
Larison	Glen	TC-A813603
Larson	Carol	TC-A813095
Larson	Jennifer	TC-A813380
Larson	Kimberlee	TC-A813381
Larson	Nick	TC-A813684
LaRue	Todd	TC-A813208
Lavering	Crystal	TC-A813382
Lawrence	Marc	TC-A813865
Lawrence	Adrian	TC-A814077
Lawrence	Anthony	TC-A814078
Lay	Dane	TC-A813303
Lazarian	Tyler	TC-A813124
Leder	Gary	TC-A813048
Lee	Jimmy	TC-A813866
Lee	Guen Woo	TC-A814111
Lee	Johnny	TC-A814206
Lee	Carmen	TC-A814235
Lee	Wilson	TC-A814236
Leiner	Michael	TC-A813816
Lemus	Robert	TC-A814148
Leon	Richard	TC-A814098
Leveroni	Marc	TC-A814170
Lewis	James	TC-A813750

EXHIBIT A – CALCTP-AT TECHNICIAN LIST

Light	Carol	TC-A814136
Limosnero	Herman	TC-A814158
Lindeman	Richard	TC-A813427
Linthicum	Jeremy	TC-A813881
Logan	Gary	TC-A813685
Londre	Brent	TC-A813829
Lonergan	Brian	TC-A813751
Longo	Gerald	TC-A813791
Lopez	Raul	TC-A813593
Lorenz	Steven	TC-A813931
Lorenzo	Enrique	TC-A813030
Lotspeich	Nathan	TC-A813108
Louie	Bing	TC-A813315
Lowe	David	TC-A813792
Lowe	James	TC-A813793
Lucas	Kevin	TC-A813704
Lucus	Joseph	TC-A814159
Luna	Christopher	TC-A814091
Luo	David	TC-A813843
Lussier	Christopher	TC-A813113
Lutack	Gregg	TC-A813355
Lynch	Randolph	TC-A814119
Lynch	Timothy	TC-A813232
Lysgaard	James	TC-A813943
Macy	Jody	TC-A814220
Maestas	Jeremy	TC-A813705
Magana	Philip	TC-A813575
Magana	Jose	TC-A814200
Maglasang	Eric	TC-A813127
Major	Olan	TC-A814008
Malet	James	TC-A813613
Malkic	Armin	TC-A814137
Mangum	Marcus	TC-A813908
Manning	James	TC-A813576
Manuel	Jeffrey	TC-A813985
Mapes	John	TC-A813844
Markoe	Paul	TC-A813826
Marrone	Michael	TC-A813664
Martin	John	TC-A813477
Martin	Paul	TC-A814120
Martin Jr.	Douglas	TC-A813837
Martinez	Ricardo	TC-A813047
Martinez	David	TC-A813463
Martinez	Daniel	TC-A813867
Martinez	Victor	TC-A813868
Martinez	Albert	TC-A814092
Martinez	Marco	TC-A814216
Massa	Willard	TC-A813940

EXHIBIT A – CALCTP-AT TECHNICIAN LIST

Maynard	Josh	TC-A813845
Mc Devitt	Barry	TC-A814094
McArthur	Kelly	TC-A813996
McBride	Albert	TC-A813537
McBrien	Paul	TC-A814112
McCamey	Ronald	TC-A813853
McCarthy	Rory	TC-A813122
McCaskill	Ian	TC-A813706
McConville	Paul	TC-A813752
McCord	Jason	TC-A813007
McCormick	Michael	TC-A813557
McCoy	Jack	TC-A813305
McCoy	Michael	TC-A813652
McDaid	Nicholas	TC-A813084
McDermott	Michael	TC-A814028
McDonald	Shawn	TC-A813817
McElhaney	Norman	TC-A813395
McGaughy	Derek	TC-A813306
McGennis	Bryan	TC-A814188
McIntire	Clifton	TC-A813894
McNulty	Tim	TC-A813598
McRae	Jon	TC-A813356
Medina	Juan	TC-A814149
Mello	Kevin	TC-A813707
Mendoza	Teofilo	TC-A813768
Menne	Michael	TC-A814099
Merean	Marius	TC-A813478
Mesita	Steven	TC-A813729
Messina	Nicholas	TC-A813769
Millard	Jason	TC-A814160
Miller	Daniel	TC-A813166
Miller	Richard Lee	TC-A813296
Miller	Lee William	TC-A813307
Miller	Lawrence	TC-A813357
Miller	John	TC-A813429
Miller	Kevin	TC-A813218
Miller	Joe	TC-A814044
Mills	Brian	TC-A814207
Mirelez	Isaac	TC-A813986
Mitchell	Michael	TC-A813834
Mitchell	Timothy	TC-A813936
Moffa	Jason	TC-A813808
Mojica	Richard	TC-A813479
Molina	Cutberto	TC-A813859
Montano	Jeremiah	TC-A813558
Moodie	Dahlia	TC-A813713
Moody	Lowell	TC-A813987
Moody	Todd	TC-A814013

EXHIBIT A – CALCTP-AT TECHNICIAN LIST

Moon	Robert	TC-A813851
Moore	Marcus	TC-A814171
Morales	Angel	TC-A813177
Morales	Brian	TC-A813358
Moran	Juan	TC-A813416
Moran	Thomas	TC-A813831
Morato	Bill	TC-A813738
Moreno	Erik	TC-A813480
Morones	Paul	TC-A813723
Morse	Chris	TC-A813926
Moynihan Jr.	Robert	TC-A813384
Mugleston	Wayne	TC-A813597
Mulleady	Patrick	TC-A814240
Muro	Rick	TC-A813627
Murphy	James	TC-A813042
Murphy	Arthur	TC-A813665
Murray	Stephen	TC-A813270
Murray	Michael	TC-A813632
Muscarella	Michael	TC-A813392
Muyrong	Wilfredo	TC-A813337
Muzinich	Ryan	TC-A813220
Myhre	Richard	TC-A813487
Nalezny	Ray	TC-A814172
Nathanson	Cliff	TC-A813559
Naveja	Gregg	TC-A813031
Neff	Anthony	TC-A813869
Ness	Rodger	TC-A813895
Neuenswander	Paul	TC-A814189
Nevarez	Rafael	TC-A813604
Newman	Victoria	TC-A813927
Ngim	Matthew	TC-A813385
Nguyen	Duy	TC-A813503
Nguyen	Chi (Justin)	TC-A813809
Nguyen	Quang	TC-A814093
Nguyen	Ted	TC-A814217
Nicely	David	TC-A813976
Nichols	Shonna	TC-A813932
Nickals	Michael	TC-A814083
Nieman	Jeremiah	TC-A813096
Nixon	Travis	TC-A813686
No	Jin	TC-A814208
Nonenmacher	John	TC-A813064
Noris	Rey	TC-A813714
Noruz	Amad	TC-A813896
Nunes	Francisco	TC-A813988
Nunes	Erik	TC-A814029
Nunez	Jordan	TC-A814138
Oakes	Matt	TC-A813440

EXHIBIT A – CALCTP-AT TECHNICIAN LIST

O'Brien	Timothy	TC-A813628
Ochs	Kyle	TC-A813640
Odden	Marty	TC-A813965
O'Donnell	Sean	TC-A813794
O'Donoghue	Mark	TC-A813653
Oh	Kwang	TC-A814113
O'Halloran	Eamonn	TC-A813430
O'Laughlin	Rory	TC-A813629
Olson	Jeff	TC-A813818
O'Neill	John	TC-A813196
Oropeza	Mario	TC-A813105
Orozco	Richard	TC-A813770
Ortega	Luis	TC-A814030
Ortez	Mario	TC-A813938
O'Sullivan	James	TC-A813455
Paganini	Andrew	TC-A813454
Palen	Daniel	TC-A813142
Palm	Dale	TC-A813735
Oakes	Matt	TC-A813440
Palmgren	Earon	TC-A814079
Paolini	Mattew	TC-A813882
Papas	Spyros	TC-A813342
Paredes	Manuel	TC-A814161
Park	Yongwook	TC-A813810
Park	Young	TC-A814209
Parker	Nathan	TC-A813076
Parmenter	Michael	TC-A813221
Pavon	John	TC-A814031
Pease	James (Jim)	TC-A814227
Pepper	Walter	TC-A813418
Percival	Justin	TC-A814032
Perez	Jorge	TC-A813111
Perez	Gregory	TC-A813138
Perez	Michael	TC-A813234
Perez	Steve	TC-A813591
Perez	David	TC-A813782
Perrin	Art	TC-A814033
Perry	Eric	TC-A813819
Peterson	James	TC-A813259
Peterson	Paul	TC-A814016
Phillips	Douglas	TC-A813260
Phillips	Dennis	TC-A813666
Phillips	David	TC-A813928
Piccinino	James	TC-A814100
Pillar	Joseph	TC-A813667
Pinho	Carlos	TC-A814150
Pinkevich	Oleg	TC-A814009
Pintilie	Marius	TC-A813615

EXHIBIT A – CALCTP-AT TECHNICIAN LIST

Plowman	William	TC-A814190
Pollitt	Tyson	TC-A813715
Poort	Michael	TC-A813289
Pope	Kyle	TC-A813948
Portch	Kevin	TC-A813997
Powell	Brandon	TC-A813339
Pratt	Sean	TC-A813334
Pridmore	Bryan	TC-A813387
Prom	Den	TC-A813316
Pruss	Lawrence	TC-A814144
Purczynski	Jesse	TC-A813309
Pursell	Mark	TC-A813641
Quinn	Patrick D	TC-A813102
Quinte	Christopher	TC-A814151
Rahovan	Ioan	TC-A813578
Ramos	John	TC-A813654
Ramos	Jorge	TC-A813966
Ramsey	Mark	TC-A813388
Rathburn	Gary	TC-A813206
Rattenbury	Tim	TC-A814057
Rauschnot	Michael	TC-A813783
Ray	Robertson G	TC-A813093
Redfeairn	Michael	TC-A814114
Redhair	Mark	TC-A814015
Reif	Troy	TC-A813929
Reilly	Richard	TC-A813106
Reilly	Doug	TC-A814218
Remy	Caryn	TC-A813687
Remy	Robbie	TC-A813688
Rendon-Marquez	Jorge	TC-A813925
Reynolds	Rory	TC-A813168
Richards	Daniel	TC-A813560
Richardson	Steve	TC-A813520
Richardson	George	TC-A814034
Rieb	Anthony	TC-A814045
Riemersma	Cristopher	TC-A813630
Riley	Kevin	TC-A813937
Rinaldi	Scott	TC-A814012
Riojas	Raul	TC-A813854
Rios	Raymond	TC-A813930
Ristine	Randall	TC-A813580
Ritch	Thomas	TC-A813973
Rivera	Victor	TC-A813970
Rivera	Jonathan	TC-A814101
Rivera	Guillermo	TC-A814121
Robertson	James	TC-A813725
Robinson	Daniel	TC-A814162
Robles	Macario	TC-A813771

EXHIBIT A – CALCTP-AT TECHNICIAN LIST

Rodabaugh	William	TC-A813155
Rodriguez	Joseph	TC-A814102
Rodriguez	David	TC-A814237
Roll	Robert	TC-A813481
Romero	Richard	TC-A813605
Romero	Franklin	TC-A813724
Ronquillo	Constantino	TC-A813832
Roos	Jeremy	TC-A813433
Rosales	Michael	TC-A814228
Ross	David	TC-A814173
Rossi	Anthony	TC-A813898
Rossi	James	TC-A813967
Rostami	Ali Asghar	TC-A813359
Rubio	Rubio	TC-A813009
Rudy	Robin	TC-A813696
Ruelas	Luis	TC-A813642
Ruiz	Cesar	TC-A814014
Ruiz	Ralph	TC-A814046
Russell	Matthew	TC-A813989
Sabogal	Evan	TC-A814152
Salazar	Roberto	TC-A813884
Salcido	Alberto	TC-A813341
Salvatore	Peter	TC-A813698
Samaniego	Carlos	TC-A813223
Sanchez	Caesar	TC-A813655
Sanchez	Alexander	TC-A813773
Sanchez	Juan	TC-A814082
Sanders	Roy	TC-A813389
Sanderson	Johnny	TC-A813716
Sandoval-Prado	Manuel	TC-A814069
Santillan	Jose	TC-A814035
Sarnelle	Robert	TC-A813616
Savino	Joseph	TC-A813120
Sazio	Phillip	TC-A813699
Scalzo	Michael	TC-A813005
Schmidt	John	TC-A813046
Schosek	Kevin	TC-A813974
Schumer	Paul	TC-A813784
Sciacqua	Elio	TC-A814174
Scott	Mike	TC-A813607
Scranton	Dan	TC-A813290
Sears	Tristan	TC-A813899
Self	Darin C	TC-A813104
Sencion	Eduardo	TC-A813181
Seo	Won	TC-A813785
Severino	Michael	TC-A813998
Shahenian	Mihran	TC-A814191
Shamp	Eric	TC-A814192

EXHIBIT A – CALCTP-AT TECHNICIAN LIST

Shoemake	Rachel	TC-A813390
Short II	Lamar	TC-A813795
Show	Jerrold	TC-A813883
Shubin	Daniel	TC-A814103
Sicat	Larry	TC-A813581
Sigel	Christine	TC-A813081
Silverman	Chuck	TC-A813942
Sinclair	Paul	TC-A813608
Sissung	Steven	TC-A813689
Skaggs	Shawn	TC-A813952
Skarvelis	Nick	TC-A813786
Slovacek	Stephen	TC-A813006
Smith	Dennis	TC-A813643
Smith	Bret	TC-A813690
Smith	Paul	TC-A813999
Smith	Sean	TC-A814058
Smith	Carl	TC-A814153
Smith	David	TC-A814229
Smith	Michael	TC-A813012
Smith	James	TC-A813082
Smith	Stephen	TC-A813565
Snyder	Chris	TC-A813846
Soares	Paulo	TC-A813644
Solis	Mario	TC-A813396
Song	Kyung Jin	TC-A814115
Sorenson	Douglas	TC-A813691
Sotka	Richard	TC-A814068
Soto Jr.	Jose	TC-A813753
Spahn	Mark	TC-A813540
Spiridon	Ovidiu	TC-A813900
Springer	John	TC-A813606
Squillace	Anthony	TC-A813847
Stackhouse	James	TC-A813796
Stallmach	Harry	TC-A813033
Stapelberg	William	TC-A813544
Stark	James	TC-A813008
Stark	Ed	TC-A813013
Starr	Mike	TC-A813040
Stayrook	Phil	TC-A813594
Steurer	Chirs	TC-A813292
Steward, II	Rinzalea	TC-A814219
Stewart	Alexander	TC-A813136
Stewart	Chad	TC-A814080
Stewart	Matthew	TC-A814238
Stobel	Steven	TC-A813373
Stokes	Troy	TC-A813645
Stoneburner	Reed	TC-A813617
Stoner	Scott	TC-A813209

EXHIBIT A – CALCTP-AT TECHNICIAN LIST

Stout	Christopher	TC-A813618
Sullivan	Patrick	TC-A813901
Summers	Larry	TC-A814239
Sveiven	John	TC-A813491
Swain	Patrick	TC-A813045
Swanson	Troy	TC-A814193
Sweazy	Stephen	TC-A813055
Sweeney	Christopher	TC-A813434
Sweeney	Mark	TC-A813595
Sweeney	Ryan	TC-A813775
Sweeney	Michael	TC-A813787
Swinson	Jack	TC-A813825
swofford	Michael	TC-A813804
Swofford	Brett	TC-A814210
Sykes	Raymond	TC-A813833
Tabbert	Mark	TC-A813085
Taboada	Sergio	TC-A813708
Tam	Schulhoff	TC-A814139
Tammo	Fred	TC-A814062
Tawney	Branndon	TC-A813946
Taylor	Dean	TC-A813068
Taylor	Paul	TC-A814212
Terrebonne	Eric	TC-A813069
Thacker	David	TC-A814010
Theriault	Wayne	TC-A813811
Thermond	Charlton	TC-A814197
Theroux	Eric	TC-A813820
Theroux	Jason	TC-A813821
Thomas	Dale	TC-A813692
Thomas	Richard	TC-A813693
Thompson	David	TC-A813694
Tice	Rod	TC-A813855
Tira	Eugen	TC-A813797
Toft	Andrew	TC-A814140
Tomren	Christian	TC-A813183
Torres	Bernardo	TC-A813034
Torres	Josue	TC-A813740
Torres	Joseph	TC-A814175
Torres	Mark	TC-A814176
Torres III	Samuel	TC-A813968
Tovar	Roberto	TC-A813798
Towle	Robert	TC-A813709
Towne	Diana	TC-A813561
Tran	Truong	TC-A813583
Triesenberg	Richard	TC-A814000
Troswick	Dean	TC-A814036
Truax	David	TC-A813619
Trybom	Steven	TC-A813466

EXHIBIT A – CALCTP-AT TECHNICIAN LIST

Tsang	John	TC-A813824
Tsaturyan	Hovik	TC-A814104
Turalva	Mannygreg	TC-A813482
Turco	Rodney	TC-A814063
Tyrrell	Gregory	TC-A814064
Umstead	Ted	TC-A813718
Upcraft	Bryan	TC-A813435
Urciuoli	Kevin	TC-A813848
Uy	Hean	TC-A813620
Valenzuela	Michael	TC-A814141
Valle	Jesse	TC-A813822
Vallee	Ryan	TC-A813849
Valverde	John	TC-A813044
Van	Peter	TC-A814105
Vasco	Jared	TC-A814118
Vazquez	Omar	TC-A813909
Vega	Francisco	TC-A813211
Vega	Danny	TC-A813483
Vega	James	TC-A813522
Verbraken	Corrie	TC-A813646
Victor	Jacob	TC-A813953
Vining	Matthew	TC-A813200
Viviani	Charles	TC-A813071
Wade	Shane	TC-A813584
Waggener	Douglas	TC-A814065
Waldvogel	Jack	TC-A813541
Walford	Daniel	TC-A813468
Walls	Chris	TC-A814163
Walter	Martin	TC-A813647
Wang	Ronald	TC-A813954
Washington	John	TC-A813423
Watson	Sean	TC-A813297
Weber	Rick	TC-A813542
Webster	Lori	TC-A814066
Webster	Richard	TC-A814128
Weiner	Collin	TC-A813262
West	Derek	TC-A813543
West	Douglas	TC-A813990
Whipple	Kevin	TC-A814047
White	Brad	TC-A814048
White, Jr.	Paul	TC-A814154
Wilcox	Peter	TC-A814177
Wilkerson	Craig	TC-A813523
Willers	Edward	TC-A814164
Williams	Scott	TC-A813850
Williams	Derrick	TC-A814049
Williams	James	TC-A814067
Williams	John	TC-A813293

EXHIBIT A – CALCTP-AT TECHNICIAN LIST

Williamson	Craig	TC-A814001
Wilson	Michael	TC-A814037
Wise	Jason	TC-A813562
Wisterman	Justin	TC-A814194
Wollrab	William	TC-A813668
Wong	Paul	TC-A813457
Wong	Brian	TC-A814050
Woods	Donald	TC-A814178
Wortham	Dustin	TC-A813947
Wright	Mark	TC-A813969
Wyman	Kevin	TC-A813910
Yaddgo	Jerry	TC-A813669
Yee	Carol	TC-A813391
Yefimov	Mikhail	TC-A814116
Yenko	Mariano	TC-A813263
Youn	Daniel	TC-A814095
Young	Frederick	TC-A813201
Young	Regan	TC-A813700
Young	Jody	TC-A814011
Young	Thomas	TC-A814179
Youngstrom	Kristofer	TC-A813185
Zagar	Mladen	TC-A813036
Zammit	Scott	TC-A814051
Zeke	Paul	TC-A813424
Zeller	Mark	TC-A813799
Zickovich	Gregory	TC-A813043
Zielinski	Rick	TC-A813975
Zierau	Ryan	TC-A814052
Zimhi	Alon	TC-A813885
Zinniker	Mike	TC-A813436
Zoph	Anthony	TC-A814180

EXHIBIT B – CALCTP-AT CERTIFIED EMPLOYERS

CALCTP-AT Employer	Certification Number
17th Street ALD Management-American Lighting	ATE-00001
21st Century Electrics , Ladybug-Lectric	ATE-00002
3G Electric, Inc	ATE-00066
A Quality Construction & A Perfect Electrician	ATE-00220
A.C.C. & Sons Electric, Inc.	ATE-00312
A.S.F. Electric	ATE-00292
AAA Electrical & Communications, Inc. dba AAA Property Services	ATE-00003
ABM Electrical Lighting Solutions Inc	ATE-00129
Above Grade Engineering, Inc.	ATE-00330
Absolut Electric, Inc.	ATE-00331
Absolutely Electric	ATE-00329
A-C Electric Company	ATE-00145
Accolade Electric Inc	ATE-00215
Ace Electric Inc	ATE-00332
Acies Engineering	ATE-00333
ADEC, Inc	ATE-00004
Advance Electrical Construction LLC	ATE-00313
Advance Lighting and Electric	ATE-00005
Advanced Compliance	ATE-00299
Advanced Energy Services, Inc.	ATE-00067
Advanced Lighting and Electrical – APPELT	ATE-00006
Affiliated Engineers W, Inc.	ATE-00148
Air Systems, Inc.	ATE-00261
Albright Electric Inc	ATE-00088
Alfa Tech Consulting Engineering, Inc	ATE-00115
Allied Electric Services, Inc.	ATE-00147
AMA Consulting Engineers	ATE-00216
American Incorporated	ATE-00282
American Power & Communications	ATE-00240
AMS Electric	ATE-00007
Anderson and Howard Electric, Inc.	ATE-00008
Andrew Electric	ATE-00291
Apollo Electric	ATE-00009
Ard Mac Electric	ATE-00217
Area Electric Inc	ATE-00218
Assured Electrical Systems	ATE-00266
Atlas-Pellizzari Electric, Inc	ATE-00010
AWE Enterprises	ATE-00172
Bacher Electric Co	ATE-00089
Baker Electric, Inc.	ATE-00323
Barnum & Celillo Electric Inc	ATE-00173
BAS Installations, Inc.	ATE-00011
BASEnergy	ATE-00334
Baxter Electric	ATE-00090
Beach City Electric Inc	ATE-00174
Becker Electric Inc	ATE-00335
Bergelectric	ATE-00175

EXHIBIT B – CALCTP-AT CERTIFIED EMPLOYERS

Beron Electrical Inc	ATE-00176
Betaray, Inc dba Sage Electric	ATE-00130
Blue Arc Electric Inc	ATE-00177
BME Electrical Construction Inc	ATE-00091
Boone Electric, Inc	ATE-00178
Bosley Electric Contracting Company	ATE-00179
Briggs	ATE-00012
Brindley Corporation dba Brindley Electrical Services	ATE-00013
Bronco Electric Inc	ATE-00104
BTU Engineers	ATE-00336
Buffalo Electric Wholesale	ATE-00180
C&C Building Automation Company, In.c	ATE-00229
C.H. Reynolds Electric Inc	ATE-00073
C.R.L. Electric, Inc	ATE-00276
Caal Electrical Contractors, Inc.	ATE-00014
Cadaret Electric, Inc.	ATE-00015
CalEnergy Electrical Corporation	ATE-00327
California Retrofit Inc.	ATE-00105
Cansino Electric Inc	ATE-00149
Capitol Electric Construction Company	ATE-00321
Carini Electric, Inc.	ATE-00270
Carol Electric, Co., Inc	ATE-00070
Carter Electric Inc	ATE-00182
Cartier Electrical Technologies, Inc	ATE-00016
Cascade Electrical Contracting Corp dba Safeway Electric	ATE-00128
Casey Electric	ATE-00181
Casey's Electric, Inc.	ATE-00337
CBF, Inc	ATE-00116
Century Lighting and Electric	ATE-00183
Chateau Electric Inc	ATE-00171
Cheyenne Electric	ATE-00338
Chula Vista Electric Co	ATE-00117
City Electric Works, Inc	ATE-00106
Classic Electric/Consulting Corp	ATE-00017
CodeGreen Solutions	ATE-00146
Collins Electric	ATE-00018
Comet Electric Inc	ATE-00339
Commercial Electric & Life Safety Systems Inc	ATE-00092
Con J. Franke Electric Inc	ATE-00093
Contra Costa Electric, Inc.	ATE-00071
Corish Electric Corporation	ATE-00241
Crest	ATE-00019
CRI	ATE-00020
Crockett Electric Co	ATE-00168
CSI Electrical Contractors Inc	ATE-00107
CTECH	ATE-00275
Cupertino Electric, Inc	ATE-00021
Curite Energy	ATE-00267

EXHIBIT B – CALCTP-AT CERTIFIED EMPLOYERS

Current Electric (Sandy Boyd)	ATE-00321
Dawson Electric	ATE-00224
Decker Electric	ATE-00022
Del Monte Electric, Inc.	ATE-00023
Denver Mgmt Inc dba Denver Industries	ATE-00314
Diablo Electric, Inc.	ATE-00251
Dimension Electric Inc.	ATE-00072
DK Electrical Contractors, Inc.	ATE-00150
Drake Integrations LLC	ATE-00184
DRE Power and Cabling Contractors, Inc	ATE-00024
DSE Electric Inc	ATE-00319
Dynalectric Company- LA	ATE-00340
Dynalectric Company - SD	ATE-00185
Dynamic Electrical Contracting dba Dynamic Electric	ATE-00186
E J Weber	ATE-00219
Easton Electric	ATE-00283
ECCO Electrical Construction Co dba ECCO Electric	ATE-00341
Ecotype Consulting, Inc	ATE-00187
Elcor Electric	ATE-00025
Electramark, Inc.	ATE-00026
Electric Controls & Services	ATE-00342
Electric Service & Supply Co. (ESSCO)	ATE-00152
Electrical Efficacy Consulting Inc	ATE-00308
Elocin Construction Co, Inc.	ATE-00188
Elson Electric Inc.	ATE-00131
EMT Electric, Inc	ATE-00343
Endure Electric Company	ATE-00108
Energy ETC Inc	ATE-00074
Energy Logic, Inc	ATE-00344
Energy Management Technologies	ATE-00137
Energy Star Lighting & Electric	ATE-00250
Engineering Economics, Inc.	ATE-00284
Enterprise Electric Datacom	ATE-00083
Environmental Building Commissioning Group	ATE-00151
ESI Contracting	ATE-00138
Evergreen Electric and Fire Alarm	ATE-00139
Evergreen Premier Construction, Inc., dba Evergreen Electric	ATE-00189
Executive Lighting - The Guerra Companies	ATE-00027
Facility Solutions Group	ATE-00285
Faith Com, Inc dba FCI Management Consultants	ATE-00028
Farris Electric	ATE-00140
Fielding Electric, Inc	ATE-00277
Fogltance Electric Inc	ATE-00190
Future Power Corporation dba Energy Conservation Options	ATE-00118
Garner Electric Inc	ATE-00191
GE Richardson	ATE-00257
GECH, Inc	ATE-00260
GFI Electrical	ATE-00345

EXHIBIT B – CALCTP-AT CERTIFIED EMPLOYERS

Giannelli Electrical	ATE-00128-B
Gilbert and Stearns	ATE-00029
Gould Electric	ATE-00192
Grace Electric	ATE-00346
Graham Construction	ATE-00252
Gregg Electric Inc	ATE-00154
Guillen Electric Company	ATE-00193
H.I.C. Electric, Inc.	ATE-00242
Hackney Electric Inc	ATE-00155
Halco Service Corporation	ATE-00305
Hamann Construction Inc	ATE-00293
Hangtown Electric Inc	ATE-00030
Harbour Electric	ATE-00227
Harris Electric Inc	ATE-00132
Harvest Electric	ATE-00194
HB & HH Mgmt Inc dba Evolvelectric, Inc	ATE-00153
Helfers Electric Company, Inc.	ATE-00195
HelmCo Electric, Inc.	ATE-00156
HMT Electric Inc	ATE-00094
HMT Electric Solar Inc	ATE-00095
Hollywood Electricians	ATE-00031
Ickler Electric Corporation	ATE-00157
Illumitech, Inc	ATE-00238
Illusion Electric	ATE-00347
Independent Electric Co.	ATE-00290
Ink Electric, Inc.	ATE-00119
Innovative Electrical	ATE-00279
Innovative Energy Solutions	ATE-00196
Integrated Power and Lighting Inc	ATE-00096
Interior Electric Incorporated	ATE-00197
Intermountain Electric Company	ATE-00032
Ironwood Electric Inc.	ATE-00068
J.E. Snyder Electric, Inc.	ATE-00075
Jakez Electric	ATE-00034
Jamar Power System	ATE-00035
JDC Electrical Services (Wellness Manufacturing Inc dba as)	ATE-00348
JENSCO, Inc dba J M Electric	ATE-00033
Jesco Electric Inc	ATE-00230
Jeskor Inc dba Swinson Electric	ATE-00098
JFC Electric, Inc	ATE-00120
JNJ Electric Inc	ATE-00349
Joe Lunardi Electric, Inc.	ATE-00158
Johnson Controls, Inc	ATE-00133
JP Electric, Corp.	ATE-00231
Juno Electric	ATE-00269
K&B Electric Incorporated	ATE-00036
K.F. Howell Electric	ATE-00037

EXHIBIT B – CALCTP-AT CERTIFIED EMPLOYERS

Kalnas Electric	ATE-00350
Karvon Electrical Corp.	ATE-00243
Kashaneh Electrical and Construction	ATE-00248
Kato Controls Inc	ATE-00198
Keithly Barber Associates, Inc	ATE-00351
Kelter Electric Company Inc	ATE-00159
Keystone Construction, Inc.	ATE-00352
Kilowatt Engineering, Inc.	ATE-00038
Kimden Inc dba Kristan Electric	ATE-00076
Kyung Jin Song	ATE-00353
Lago Vista Construction Inc	ATE-00199
Laser Electric	ATE-00200
Lawrence Electrical Contracting	ATE-00315
Light Duty Electric	ATE-00355
Lighting Association of San Diego	ATE-00316
Lighting Association of San Diego	ATE-00354
Lightrider Electric, Inc	ATE-00258
Lindsay Electrical	ATE-00356
Litehouse Electric Inc	ATE-00294
Lutron Services, Co. Inc.	ATE-00278
Lynch Electric	ATE-00306
Lysgaard Electric	ATE-00249
Lysgaard Electric Inc	ATE-00357
M.B. Herzog Electric	ATE-00039
Mammoth Electric, Inc	ATE-00221
Mammoth Sierra Electric	ATE-00272
Mark III Construction, Inc.	ATE-00254
Martel Electric Inc	ATE-00121
Master Electric	ATE-00255
McClure Electric, Inc	ATE-00040
McMillan Bros. Electric Inc	ATE-00201
McMurtrey Electric	ATE-00102
McPeak Electric	ATE-00097
MD Thurber dba M & J Electric	ATE-00239
Metropolitan Electrical Construction Inc	ATE-00322
Metropolitan Electrical Construction Inc	ATE-00358
Millennium Electrical Systems, Inc	ATE-00041
Mission Electric Company	ATE-00169
MJR Electric Inc	ATE-00122
MK Electric Inc	ATE-00359
Moffa Electric LLC	ATE-00161
Moor Electric Inc	ATE-00317
Morrow-Meadows Corporation	ATE-00080
MPS Electric, Inc	ATE-00162
Murray Electric	ATE-00301
N2 Electric	ATE-00042
Nation Electric and Construction Inc.	ATE-00360
National Electric Works Incorporated	ATE-00100

EXHIBIT B – CALCTP-AT CERTIFIED EMPLOYERS

Nazzareno Electric Co., Inc.	ATE-00361
Neal Electric Corp	ATE-00268
Ness Electric, Inc.	ATE-00232
New Wave Electric	ATE-00233
North County Electric	ATE-00141
North State Electrical Contractors, Inc.	ATE-00123
Northern Electric, Inc	ATE-00170
O'Bryant Electric	ATE-00043
OCS Lighting and Controls	ATE-00366
Omega Electric	ATE-00324
On-Target Electric, Inc.	ATE-00044
Pacific Data Electric Inc dba PDE Total Energy Solutions	ATE-00097-B
Pacific Kal Electric, Inc.	ATE-00295
Pacific Lighting Management, Inc. dba PLEMCo	ATE-00110
Paganini Electric Corporation	ATE-00045
Paige Electric	ATE-00163
Palmer Electric	ATE-00046
Patrick Butterly - Electrical	ATE-00302
PCF Electric Inc	ATE-00202
Perfection Electric Company	ATE-00362
Phazer Electric Inc	ATE-00307
Philmont Management Inc.	ATE-00363
Philmont Mgmt Inc	ATE-00311
Pieroth Inc. - Positive Energy	ATE-00047
Plug N Switch	ATE-00203
PME Evans, Inc	ATE-00077
Polaris Electric Co Inc	ATE-00274
POLR Electric	ATE-00325
Power Smiths Electric	ATE-00280
Power Smiths Electric	ATE-00364
Power Source Electric	ATE-00318
PowerDown Holdings Inc dba PowerDown Lighting Systems, Inc	ATE-00124
Powerhaus Electric Company, Inc.	ATE-00259
Pride Electric Ent	ATE-00365
Prime Electrical Services, Inc	ATE-00111
Pro-Automated, Inc	ATE-00048
Pursell Construction Inc, dba Lumenature	ATE-00125
Q3 Engineers, Inc	ATE-00286
Quanten Electrical Contractors, Inc.	ATE-00204
Quantum Electric	ATE-00049
QWK, Inc.	ATE-00234
R & R Controls Inc.	ATE-00050
R. McClure Electric Inc	ATE-00369
R.S. Energy Inc.	ATE-00226
Radiant Electric Inc	ATE-00126
RC Power Inc	ATE-00205
Redhill Electric, Inc.	ATE-00160
Redhill Electric, Inc.	ATE-00300

EXHIBIT B – CALCTP-AT CERTIFIED EMPLOYERS

Redwood Electric Group	ATE-00099
Reilly Electric, Co.	ATE-00367
Renovise Inc	ATE-00142
Resco Electric, Inc.	ATE-00235
Retro-Tek Energy Services, Inc.	ATE-00244
Rex Moore Group	ATE-00247
Richard Heath & Associates (RHA)	ATE-00320
Richard Heath & Associates, Inc (RHA)	ATE-00368
Rick's Electric Inc	ATE-00206
Riley Electric, Inc.	ATE-00309
RK Electric	ATE-00101
Robert H. Ricciardi Architect	ATE-00127
Robinson Electric	ATE-00304
Roos Industries Inc.	ATE-00052
Rosendin Electric, Inc.	ATE-00078
Rossi and Carr Electrical Inc	ATE-00143
Rowan Inc	ATE-00053
S&E Electric Inc	ATE-00287
Sacramento Engineering Consultants	ATE-00256
Sage Electric Company	ATE-00225
San Diego Bay Area Electric	ATE-00112
San Joaquin Electric	ATE-00253
Santa Maria Electric	ATE-00134
SASCO	ATE-00054
Saturn Electric Inc	ATE-00207
Savvy Energy Solutions	ATE-00223
Sierra Commercial Lighting	ATE-00103
Sierra Electric	ATE-00271
Sierra Electric	ATE-00370
Silver Creek Electric	ATE-00055
Silverman & Light Inc	ATE-00208
SMART Light Systems LLC	ATE-00056
Smith & Sons Electric, Inc.	ATE-00069
Son Light Electric	ATE-00371
Son Power Industries, Inc	ATE-00209
Southern Contracting	ATE-00057
Sparky's Acceptance Testing	ATE-00372
Sparky's Electrical	ATE-00058
Spartan Electric Inc	ATE-00373
Sprig Electric	ATE-00081
Star Electric	ATE-00113
Stonecipher Corporation dba Ace Electric	ATE-00228
Strategic Mechanical Inc	ATE-00084
Stuart & Sons Electrical Contractors, Inc.	ATE-00263
Summers and Sons Electric Inc.	ATE-00296
Sunbelt Electrical Company Inc.	ATE-00326
Sunwest Electric, Inc.	ATE-00135

EXHIBIT B – CALCTP-AT CERTIFIED EMPLOYERS

Superior Electric	ATE-00236
Swofford Electric	ATE-00374
Sylvania Lighting Services Corp.	ATE-00059
T. Marshall Associates, Inc.	ATE-00061
Taft Electric Company	ATE-00136
Tate Electric	ATE-00109
TDN Electric Inc	ATE-00210
Teletron Instruments	ATE-00060
The Bella Rosa Group Inc	ATE-00375
The Best Electrical Co Inc	ATE-00085
The Electric Company (Lighting and Power Solutions dba)	ATE-00376
The Engineering Enterprise (Shalley-Dibble, Inc)	ATE-00062
Things Electric	ATE-00086
Thoma Electric	ATE-00087
Tidalwave Enterprises	ATE-00377
Titan Electric Group Inc	ATE-00211
TRE Electric	ATE-00378
Tri Bay Electric	ATE-00144
Triple C Electric Incorporated	ATE-00245
Trutech Energy Services, Inc.	ATE-00262
T-Squared Professional Engineers, Inc	ATE-00212
Unison Electric	ATE-00063
Universal Electric Co	ATE-00310
Vallee Electrical Services Inc	ATE-00164
Valley Construction Specialites	ATE-00273
Vasko Electric	ATE-00213
VBS Enterprises	ATE-00288
VCA Green	ATE-00246
Visual Concepts	ATE-00297
W & S Electric Inc.	ATE-00079
W. Bradley Electric, Inc.	ATE-00165
Walton Electric Corporation	ATE-00303
Wayne Electric	ATE-00289
WB Electric	ATE-00281
WECO Electrical Engineering	ATE-00064
West Coast lighting and Energy Inc	ATE-00379
Westech Systems, Inc	ATE-00065
Whittington Electric	ATE-00082
WIL-CAL Lighting Management Co. Inc.	ATE-00114
William's Electric Inc	ATE-00166
Wise Electric & Communications Inc	ATE-00237
Wolf Electric	ATE-00167
Xpress Electric, Inc.	ATE-00265
Y&S Electric Inc	ATE-00298
Yongwook Park dba Yongwook Park Electric	ATE-00328
Young Electric Co	ATE-00214
Zapien Electric Incorporated	ATE-00264
Zeller Electric Corp	ATE-00380

EXHIBIT B – CALCTP-AT CERTIFIED EMPLOYERS

Zone 4 Power, Inc.

ATE-00381