

STATE OF CALIFORNIA <b style="text-align: center;">OUTDOOR LIGHTING CONTROLS CEC-NRCC-LTO-02-E (Revised 09/15) <b style="text-align: center;">CERTIFICATE OF COMPLIANCE Outdoor Lighting Controls	<div style="text-align: right;"> CALIFORNIA ENERGY COMMISSION <b style="text-align: right;">NRCC-LTO-02-E <b style="text-align: right;">(Page 1 of 3) </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> Project Name: WINTERHAVEN PUBLIC SAFETY FACILITY Date Prepared: 2/23/2016 </div>
---	---

The NRCC-LTO-02-E shall be used to document all mandatory outdoor lighting controls that are applicable to the project.

Mandatory Outdoor Lighting Control Declaration Statements

Check all that apply:

- ☐ Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with §110.9(a).
- ☐ Lighting shall be controlled by a lighting control system or system management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with §130.4(b).
- ☒ All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with §130.1.
 - ☐ Night-Off Outdoor Lighting Controls, as defined in Section 100.1(b), shall meet the requirements in Section 110.9(b)(5).
 - ☐ All outdoor incandescent luminaires rated over 100 watts, determined in accordance with Section 130.0(c), shall be controlled by a motion sensor.
 - ☐ All outdoor luminaires rated for use with lamps greater than 150 lamp watts, determined in accordance with Section 130.0(c), shall comply with Backlight, Uplight, and Glare (collectively referred to as "BUG") in accordance with Section 130.2(b).
 - ☐ All installed outdoor lighting shall be controlled by a photocell or outdoor astronomical time-switch control in accordance with Section 130.2(c)(1).
 - ☒ All installed outdoor lighting shall be controlled and independently controlled from other electrical loads by an automatic scheduling control in accordance with Section 130.2(c)(2).
 - ☐ All installed outdoor lighting, where the bottom of the luminaire is mounted 24 feet or less above the ground, shall be controlled with automatic lighting controls in accordance with Section 130.2(c)(3).
 - ☐ For Outdoor Sales Frontage, Outdoor Sales Lots, and Outdoor Sales Canopies lighting, an automatic lighting control in accordance with Section 130.2(e)(4).
 - ☐ For Building Facade, Ornamental Hardscape and Outdoor Dining lighting, an automatic lighting control in accordance with Section 130.2(c)(5).
- ☐ Before an occupancy permit is granted for a newly constructed building or area, or a new lighting system serving a building, area, or site is operated for normal use, indoor lighting controls serving the building, area, or site shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with §130.4.(a). Outdoor lighting controls shall comply with the applicable requirements of Section 130.2(c) and Reference Nonresidential Appendix NA7.8

[illegible]

STATE OF CALIFORNIA OUTDOOR LIGHTING CONTROLS OUTDOOR LIGHTING CONTROL (Residential 2013)		CALIFORNIA ENERGY COMMISSION NRCC-LTO-02-13 (Page 3 of 3)	
CERTIFICATE OF COMPLIANCE Outdoor Lighting Controls			
Project Name: WINTERHAVEN PUBLIC SAFETY FACILITY		Date Prepared: 2/23/2016	
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT I, I certify that this Certificate of Compliance documentation is accurate and complete.			
Documentation Author Name: Milton C. Niederhaus Company: NEDC, Inc. Address: 3103 Falcon Sreet, Suite J City/State/Zip: San Diego, CA 92103		Documentation Author Signature:  Signature Date: 2/23/2016 CEA Certification Identification (if applicable): 2484-C411-2040-9BAF-26 Phone: (619) 278 0076	
RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury, under the laws of the State of California: <ol style="list-style-type: none"> The information provided on this Certificate of Compliance is true and correct. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system designs identified on this Certificate of Compliance (responsible designer). The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the building owner provides to the building owner at occupancy. 			
Responsible Designer Name: Milton C. Niederhaus Company: NEDC, INC. Address: 3103 Falcon Sreet, Suite J City/State/Zip: San Diego, CA 92103		Responsible Designer Signature:  Date Signed: 02/23/16 License: E 8636 Phone: (619) 278 0076	

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance
May 2015

STATE OF CALIFORNIA AUTOMATIC LIGHTING POWER ALLOWANCES CEC-MSCA-10-D-04 (Revised 09-10) CERTIFICATE OF COMPLIANCE Outdoor Lighting Power Allowances Project Name: WINTERHAVEN PUBLIC SAFETY FACILITY	CALIFORNIA ENERGY COMMISSION NRCCLTO-03-E (Page 1 of 4)
	Date Prepared: 2/23/2016

A. OUTDOOR LIGHTING POWER ALLOWANCE SUMMARY									
1. General Hardscape Lighting Power Allowance (Rate Total from Section B of NRCCLTO-03-E)								1.	1,611
2. Additional Specific "Use E or Use H" Lighting Power Allowances listed in each of these cells shall be identical to total allowed watts determined in Section C-1 to C-4 of NRCCLTO-03-E.									
PER APPLICATION from Section C-1		PER UNIT LENGTH (SALES FRONTAGE) from Section C-2		PER HARDSCAPE AREA (ORNAMENTAL LIGHTING) from Section C-3		PER SPECIFIC AREA from Section C-4.			
0	+	0	+	0	+	0	=	2.	0
3. Sum Total ALLOWED Outdoor Lighting Wattage (add rows 1 and 2)								3	1,611

B. GENERAL HARDSCAPE LIGHTING POWER ALLOWANCE FROM TABLE 140.7-A								
Area Wattage Allowance (AWA)				Linear Wattage Allowance (LWA)			Initial Wattage Allowance (IWA)	Total General Hardscape Lighting Allowance
A	B	C	D	E	F	G	H	I
Name of area	Illuminated Hardscape Area	AWA per Square Foot	AWA (B x C)	Perimeter Length of General Hardscape	LPA per Linear Foot	LWA (E x F)	IWA (Watts)	D + G + H
EXTERIOR HARDSCAPE	3,507		316	876	0.600	526	770	*1,611
TOTAL								1,611

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance
 May 2015

[illegible]

STATE OF CALIFORNIA OUTDOOR LIGHTING POWER ALLOWANCES (CALPEC/CES-12-10-10 Revised 09/16)		CERTIFICATE OF COMPLIANCE		CALIFORNIA ENERGY COMMISSION NRCC-10-03-16					
Outdoor Lighting Power Allowances				Project Name: WINTERHAVEN PUBLIC SAFETY FACILITY Date Prepared: 2/23/2016					
C-3. WATTAGE ALLOWANCE PER SQUARE FOOT OF HARDSCAPE AREA (Ornamental Lighting) – Table 140.7-B									
<input type="checkbox"/> Allowance for the total site illuminated hardscape area. Luminaire(s) qualifying for this allowance shall be rated for 100 watts or less as determined in accordance with Section 130.0(c), and shall be post-top luminaires, lanterns, pendant luminaires, or chandeliers. <input type="checkbox"/> If more than one luminaire type is used per location, use multiple rows for that location									
A	B	C	D	E	F	G	H	I	J
Name of area for which ornamental allowance is claimed	ALLOWED WATTS			DESIGN WATTS					
	Square Feet of Hardscape	Wattage Allowance per square foot	Allowed Watts (B x C)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per luminaire	Design Watts (G x H)	Allowed Watts (smaller of D or I)
Sum total allowance for ornamental lighting on the site:						0			
C-4. WATTAGE ALLOWANCE PER SQUARE FOOT OF SPECIFIC AREA - Table 140.7-B									
<input type="checkbox"/> Allowances for Building Facades; Outdoor Sales Lots; Vehicle Service Station Canopies; Sales Canopies; Non-sales Canopies; Guard Stations; Student Pick-up/Drop-off zone; Outdoor Dining; Special Security Lighting for Retail Parking and Pedestrian Rampways. <input type="checkbox"/> If more than one luminaire type is used per location, use multiple rows for that location									
A	B	C	D	E	F	G	H	I	J
Name of Location for which allowance is claimed	ALLOWED WATTS			DESIGN WATTS					
	Illuminated Area of Application	Wattage Allowance per square foot	Allowed Watts (B x C)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per luminaire	Design Watts (G x H)	Allowed Watts (smaller of D or I)
Sum total allowance for specific area on the site:						0			

CA Building Energy Efficiency Standards - 2013 Nonsidential Compliance May 2015

STATE OF CALIFORNIA OUTDOOR LIGHTING POWER ALLOWANCES CEC NREL-TO-04-E (Revised 09/10) CERTIFICATE OF COMPLIANCE Outdoor Lighting Power Allowances Project Name: WINTERHAVEN PUBLIC SAFETY FACILITY		CALIFORNIA ENERGY COMMISSION NREL-TO-04-E (Page 4 of 4)	
		Date Prepared: 2/23/2016	

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT			
1. I certify that this Certificate of Compliance documentation is accurate and complete.			
Documentation Author Name: Milton C. Niederhaus		Documentation Author Signature: 	
Company: NEDCO, Inc.		Signature Date: 2/23/2016	
Address: 3103 Falcon Street, Suite J		CEA Certification Identification (if applicable): 2484-C411-200A-99AF-26	
City/State/Cap: San Diego, CA 92103		Phone: (619) 273 0078	

RESPONSIBLE PERSON'S DECLARATION STATEMENT	
I certify the following under penalty of perjury, under the laws of the State of California:	
1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer). 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.	
Responsible Designer Name: Milton C. Niederhaus	
Responsible Designer Signature: 	
Date Signed: 02/23/16	
License: E 8638	
Phone: (619) 273 0078	

Company: NEDCO INC.	
Address: 3103 Falcon Street, Suite J	
City/State/Cap: San Diego, CA 92103	

NEDC

NEDC, INC.
ELECTRICAL DESIGN CONSULTANTS
AN ENGINEERING CORPORATION

3103 FALCON STREET, SUITE J
SAN DIEGO, CALIFORNIA 92103
(619) 278-0076 FAX (619) 278-0078
NEDINC@CABELNET

SHEET TITLE			
ELECTRICAL T-24 FORMS			
DATE: 09/13/17	TITLE	SCALE:	TITLE
DRAWN BY:	TITLE	DATABASE:	TITLE
CHECKED BY:	TITLE	SHEET NUMBER	
PROJECT NO:	TITLE	E12.0	