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<b>Docket Number:</b>	12-AFC-03
Project Title:	Redondo Beach Energy Project
TN #:	200458
<b>Document Title:</b>	Letter Regarding Potential Law Enforcement Need for the Redondo Beach Energy Project
Description:	N/A
Filer:	Alicia Campos
Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	9/12/2013 10:37:50 AM
<b>Docketed Date:</b>	9/12/2013

## CALIFORNIA ENERGY COMMISSION

1516 NINTH STREET SACRAMENTO, CA 95814-5512 www.energy.ca.gov



September 12, 2013

Chief Joe Leonardi Redondo Beach Police Department 401 Diamond Street Redondo Beach, CA 90277

RE: Potential Law Enforcement Needs for the Proposed Redondo Beach Energy Project (RBEP) (12-AFC-03)

Dear Chief Leonardi,

AES Southland Development, LLC. (applicant) is seeking a license from the California Energy Commission to construct and operate a power generation facility in the city of Redondo Beach, Los Angeles County, California. The Redondo Beach Energy Project (RBEP or proposed project) is proposed on the site of the existing and operating AES Redondo Beach Generating Station. The proposed project would replace the existing power plant with a natural gas-fired, combined-cycle, air-cooled, 496-megawatt (MW) electrical generating facility. The existing power plant currently has four operating steam generating units (Units 5, 6, 7, and 8), an auxiliary boiler no. 17, and four retired units (Units 1, 2, 3, and 4). If approved by the Energy Commission, project demolition and construction would occur over a 60-month period, beginning in the first quarter of 2016 and concluding with project completion in the fourth quarter of 2020.

To assess impacts of the proposed project pertaining to law enforcement, Energy Commission staff requests information on existing law enforcement resources and services in the project area and the estimated need for additional services if the project is approved. A form is attached with data needs and questions highlighted. Key characteristics of the applicant's proposed project that are considered applicable to law enforcement response needs assessment are briefly summarized below and on the attached form.

An average construction workforce of 149 individuals is expected over the 60-month demolition and construction period. During peak-construction month 37, the construction workforce would total about 338 workers, the estimated number of construction workers daily trips would be 676, and the estimated number of daily truck trips would be 22 (11 trucks). One truck delivery (two trips) is assumed to be made during the morning peak hour and one in the evening peak hour. The remaining deliveries would be made throughout the day. Construction parking would be provided on the project site.

The 21 full-time workers needed for project operation would be drawn from the staff at the existing Redondo Beach Generating Station, so no additional operational workers would be hired. Approximately 42 daily trips would be generated by the workers during project operation. One truck delivery (two trips) would be made per day and six deliveries of hazardous materials would be made per month.

Chief Leonardi September 12, 2013 Page 2 of 3

From staff's review of the Application for Certification (AFC), staff understands the project site is within the jurisdiction of the city of Redondo Beach Police Department and the estimated response time to the project site in case of an emergency generally averages less than five minutes. The single police station, serving as headquarters, is approximately 0.25 mile from the project site. Staff understands there are two substations and that the police department has 89 full-time sworn officers. The police department shares jurisdiction with the California Highway Patrol (CHP) for portions of Pacific Coast Highway within the city of Redondo Beach. The CHP is the primary law enforcement agency for portions of Pacific Coast Highway outside of the city of Redondo Beach including other state highways and roads.

Staff understands your office has been contacted by the applicant's consultant, CH2MHill, to discuss the proposed project. Your office expressed concerns about potential service impacts related to demolition that might restrict access to other locations on Harbor Drive and traffic delays if a significant number of deliveries or removal of materials occurred at the same time. Energy Commission staff will analyze the RBEP's impacts on the local transportation system and appreciate this comment on possible traffic impacts.

The project applicant's entire AFC is available on the Energy Commission's website at: <a href="http://www.energy.ca.gov/sitingcases/redondo">http://www.energy.ca.gov/sitingcases/redondo</a> beach/documents/index.html. Section 5.10 Socioeconomics would be the most pertinent section to review, as well as Section 5.12 Traffic and Transportation and Section 5.5 Hazardous Materials Handling. These sections are in Volume 1 of the AFC.

Please provide your responses to the needs assessment form and include any comments you may have regarding law enforcement services for the proposed project by October 28, 2013. Send your responses to my attention. Thank you in advance for your time and assistance.

Sincerely,

Lisa Worrall Planner II

California Energy Commission

Siting, Transmission, and Environmental Protection Division

1516 Ninth Street, MS 40

disa Worrall

Sacramento, CA 95814

lisa.worrall@energy.ca.gov

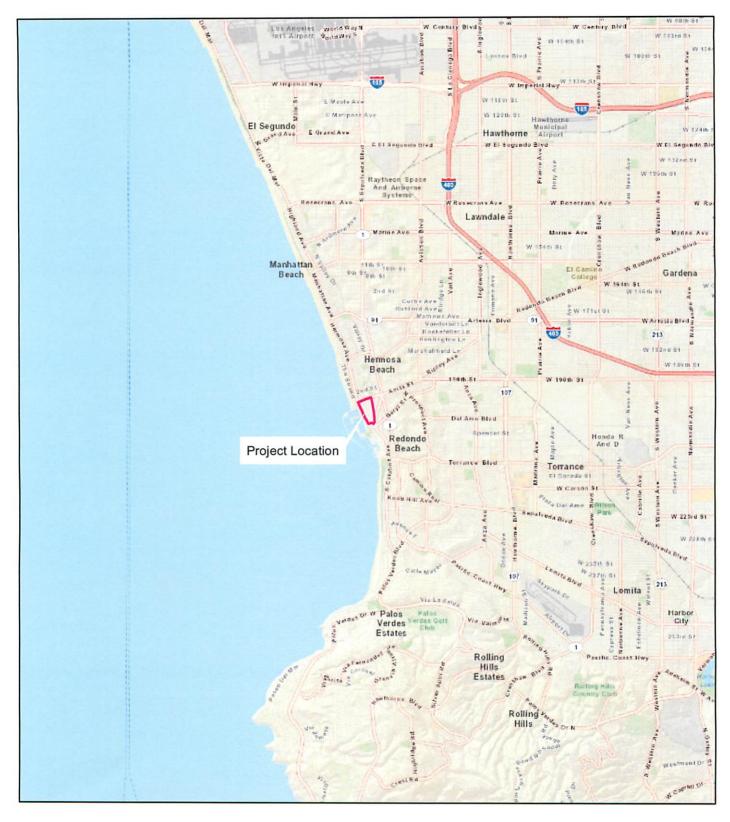
Tele: (916) 654-4545 Fax: (916) 651-8868 Chief Leonardi September 12, 2013 Page 3 of 3

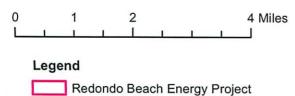
## **Enclosures:**

Local Law Enforcement Needs Assessment Form
Map showing the approximate location of the project site (from the AFC)
Construction workforce (construction and demolition personnel by month) (from Appendix 5.10B of the AFC)

	Law Enforcement Needs Assessment Form
	Project Characteristics, as Proposed by the Project Applicant
Type, Location, Size, and Site Access:	Power generating facility proposed on the site of the existing and operating AES Redondo Beach Generating Station (1100 North Harbor Boulevard) in the city of Redondo Beach, California. Primary access to the site would be through the existing entrance off North Harbor Drive, south of the intersection of Herondo Street and North Harbor Drive.
Estimated Schedule:	If approved, demolition and subsequent construction would begin in January 2016 and conclude in December 2020 (60 months). See Table 5-10B-1 in Appendix 5-10B of Volume 2 of the AFC for a list of the project demolition and construction workforce and schedule.
Construction (Traffic and Work Force):	There would be an average construction workforce of 149 individuals over the 60-month demolition and construction period. During peak-construction month 37 (Jan. 2019), the construction workforce would total about 338 workers, the estimated number of construction workers daily trips would be 676, and the estimated number of truck trips would be 22 (11 trucks). One truck delivery is assumed to be made during the morning peak hour and one in the evening peak hour. The remaining deliveries would be made throughout the day. Construction parking would be provided on the project site.
Operation (Staff and Traffic):	The 21 full-time workers needed for the project would be drawn from the staff at the existing Redondo Beach Generating Station, so no additional operational workers would be hired. Approximately 42 daily trips would be generated by the workers during project operation. One truck delivery (two trips) would be made per day and six deliveries of hazardous materials would be made per month.
Security:	No security information for project construction was provided in the AFC. However, security information for project operations was provided. Operations security would include the following: perimeter fencing and a security gate; evacuation procedures; a protocol for contacting law enforcement in the event of conduct endangering the facility, its employees, its contractors, or the public; a fire alarm monitoring system, measures to conduct site personnel background checks, including employee and routine onsite contractors; site access protocol for vendors; and a protocol for hazardous materials vendors for security plan preparation and personnel background security checks. The security plan may include one or more of the following: security guards; security alarm for critical structures; perimeter breach detectors and onsite motion detectors; and video or still camera monitoring system.
E	xisting Law Enforcement Resources and Services in the Project Area
police substations; and distance of clo the project site:	(attach additional paper if more room is needed to answer questions) uses of the facilities (e.g., ) serving the project area, posest dispatch facility to  d service standard (e.g., per 1,000 population) project site:
	evels for facilities serving ncluding sworn officers Is and per shift):
Estimated respons	e times to the project site: Priority calls:
	Non-Priority calls:
	g., facilities and staff) to existing service levels:
	beyond those identified or meet existing service

Law Enforcement Needs Assessment Form
Exchange of general law enforcement
responsibilities (e.g., formal and/or informal
agreements with local municipalities for
provision of services) in the project area:
Current inventory of specialized equipment
(e.g., helicopters or other aircraft):
Estimated Need for Law Enforcement Services, Equipment, and Facilities
(attach additional paper if more room is needed to answer questions)
Is there a process or formula used by your
department to determine the need for
additional law enforcement services to serve
a new large-scale power plant? Please
explain.
Could the project trigger a need for
additional law enforcement services for on-
site crimes against persons, theft of
materials, and/or vandalism? Please explain.
During project construction:
During project operation:
Could increased project-related traffic affect
circulation and access on roads near the
project site to the extent that an impact to
emergency response times might occur?
Please explain.
During project construction:
During project operation:
Do law enforcement personnel review
development site plans for projects to assess
potential law enforcement issues (e.g.,
lighting and other safety factors)? Please
explain.
Are specific measures recommended to
reduce the potential for crimes to occur at or
near the project site (e.g., specific types of
security fencing)? Please explain.
Please explain any other law enforcement
concerns that have not been addressed by
this needs assessment form.
Person Completing This Needs Assessment Form
Name:
Title/Position:
Telephone No:
-
E-mail Address:





**FIGURE 1.1-2** Regional Location Map AES Redondo Beach Energy Project

Redondo Beach, CA



Table 5.10B-1 Construction and Demolition Personnel by Month

Demolition Units 1-4							2016											2017											2018						
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Teamsters		0	0	0	0	L			0		0	0		-	-	H	-		L		L	L			r	f	+	-	+	-	H	L	L	H	
Electricians		3	3	5	9	9	9	9			5 5	L					H						18.0			H	-				H		L		
Iron Workers		3	3	3	9	9	9	9			3			1	-	+		4							+		+	+			+	-	4	$\dashv$	J
Millwrights		4	4	4	8	8	8								+	+	+	1		4					+	1	+	+	+	+	+	4	4	4	- 1
Boilermakers		0	0	0	0	0	0	0		0	0 0	0				-													-		-	_		_	Į,
Plumbers		0	0	0	0	0	0	0						+		+	+	4							+	+	+	+	+	+	+	4	4	4	- 1
Piling Crew		2	2	2	2	2	2	0						1	1	+	-	-	1						1	1	1	1	1	1	+	4	4	4	- 1
Insulation Workers		2	2	9	9	9	9	9		9	6 5	5		1		-							3		1		+	-	+	1	+	-		-	J
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Oilers / Mechanics		0	-	0	0	0	0	0		0	0	0												76									L	L	
Cement Finishers		0	0	0	0	0	0	0	0	0	0	0			-	9							(3)												
Roofers		0	0	0	0	0	0	0		0	0 0	0 0		197	1.1		1						67											L	
Sheetmetal Workers		0	0	0	0	0	0	0		0	0 0	0 0		100	100		9	1													74 8 T				
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Piling Crew		-	+	-					4					+	+	10	10	10 10							1	-	-	-							- 1
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Electricians		-	-			-									9	9						12	12	12	12	25	25	25	25	25			1	25	25
ronworkers		-	-	-	-	-	-	1	L		L			-	9	9	10 1	10 10	0 10	L	4	4	4	9	9	12	12	12	12	42		42 4			4
Millwrights		-	-	-						L				-	-	-		L			4	4	4	9	9	9	9	9	9	9		9	9	9	۳
Boilermakers	1	-	-	H	-		-	-	-		L					-	-				10	10	10	10	10	15	15	15	15	15	15	15 1	15	15	14
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nsulation workers	-	-	+		-	-	-		-	L				-	-	-	-			L		4	4	4	9	80	8	8	8	13		13		3	53
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Oilers / Mechanics		-	+	-	-	-		-							2	2	3		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Cement Finishers	-	-	-	-	-	-	-	-	L	L	L			-	3	3	4	8	8 10		10	10	10	10	10	12	12	12	12	17	17	17 1		17	7
Roofers		-	-	-	-	-	-	-	-	L		L		-	-										-	80	8	8	8	8	8	8	80	8	8
Sheetmetal Workers	-		-	-	H	-	-			L	L	L		-	-	-	-	L					8	8	8	8	8	8	8	13	13	13 1		13	13
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Painters			-	-																													9	9	۳
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Table 5.10B-1 Construction and Demolition Personnel by Month

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Mark Feb   Mark Apr   May July Aug Sep   Oct   Nov   Dec   Mark Apr   May July Aug Sep   Oct   Nov   Dec   May Apr   May July Aug Sep   Oct   Nov   Dec   May Apr   May July Aug Sep   Oct   Nov   Dec   May Apr   May July Aug Sep   Oct   Nov   Dec   May Apr   May July Aug Sep   Oct   Nov   Dec   May Apr   May July Aug Sep   Oct   Nov   Dec   May Apr   May July Aug Sep   Oct   Nov   Dec   May Apr   May July Aug Sep   Oct   Nov   Dec   May Apr   May July Aug Sep   Oct   Nov   Dec   May Apr   May July Aug Sep   Oct   Nov   Dec   May Apr   May July Aug Sep   Oct   Nov   Dec   May Apr   May July Aug Sep   Oct   Nov   Dec   May Apr   May July Aug Sep   Oct   Nov   Dec   May Apr   May July Aug Sep   Oct   Nov   Dec   May Apr   May July Apr   May July Aug Sep   Oct   Nov   May Apr   May July Apr	All Colors (Co.					201	9									50.																
TOTAL CRAFT LABOR  TOTAL SUPERVISION  53 57 78 88 95 94 93 74 71 63 0 0 37 49 69 79 111 110 132 134 142 146		AN FE		R APR		NIN	JLY A							IR APR	MAY	NIN N	П	NG SE			DEC		FEB	MAR	PR M	APR MAY JUN	A DLY		AUG SEP	SEP OCT	NOV	DEC
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TOTAL CRAFT LABOR  TOTAL CRAFT LABOR  TOTAL SUPERVISION  S3 57 78 88 92 98 94 93 74 71 63 0 0 37 49 69 79 119 112 134 142 148	iling Crew	H	+	+	L	I	+	t	+	L			t	+			t	t	+	+	L	L			F				H			0
TOTAL CRAFT LABOR  TOTAL SUPERVISION  S3 57 78 88 92 98 94 93 74 71 63 0 0 37 49 69 79 109 111 110 132 134 142 146	arpenters	-		_					-				-					-	-	_			0									4
TOTAL CRAFT LABOR  TOTAL CRAFT LABOR  TOTAL SUPERWISION  53 57 78 88 92 98 96 94 93 74 71 63 0 0 37 49 69 79 111 110 132 134 142 148	aborers	-	-	-			r	-	-				-					-	-	_	-						1				~	2
TOTAL CRAFT LABOR TOTAL SUPERVISION  53 57 78 88 92 98 96 94 93 74 71 63 0 0 37 49 69 71 11 110 132 134 142 146	eamsters	-	-	L	L			-					-					1		-	-	L							100			2
TOTAL CSAFT LABOR TOTAL SUPERVISION  53 57 78 88 92 98 96 94 93 74 71 63 0 0 37 49 69 71 11 110 132 134 142 146	lectricians	-	-	_									-	-				-	-	_								74	1			2
TOTAL CRAFT LABOR  TOTAL CRAFT LABOR  TOTAL SUPERWISION  53 57 78 88 92 98 96 94 93 74 71 63 0 0 37 49 69 79 111 110 132 134 142 146	onworkers	-	-	L	L			-	-		L		-	-				-	H	-						_						2
TOTAL CRAFT LABOR TOTAL SUPERVISION  53 57 78 88 92 98 96 94 93 74 71 63 0 0 37 49 69 79 111 110 132 134 142 146	lillwrights	-	-	L	L		-		_				-	-				-		H												0
TOTAL CRAFT LABOR  TOTAL CRAFT LABOR  TOTAL SUPERVISION  53 57 778 88 92 98 96 94 93 74 71 63 0 0 37 49 69 79 110 110 132 134 142 146	oliermakers	+	-	-			-	-	H	-			-	-			l	-	-	-	L				-	_		-	H			0
TOTAL CRAFT LABOR  TOTAL SUPERVISION  53 57 78 88 92 98 96 94 93 74 71 63 0 0 37 49 69 79 110 112 132 134 142 146	lumbers	+	+	-	-		+	+	-	-			+	-	-		t	H	H	H	L				-	_	L	-	-	L		8
TOTAL CRAFT LABOR TOTAL SUPERVISION  53 57 78 88 92 98 96 94 93 74 71 63 0 0 37 49 69 79 110 110 132 134 142 146	pefitters	+	+	+	-		+	+	+	1			+	-	1	T	t		+	H					H	-		-	H	L		0
TOTAL CRAFT LABOR  TOTAL CRAFT LABOR  TOTAL SUPERVISION  53 57 776 88 92 98 96 94 93 74 71 63 0 0 37 49 69 79 110 110 132 134 142 146	sulation workers	+	+	+	-	I	+	+	+	1			+	+	1	1	t	+	+	+	-	L		t	t	H	-	H	$\vdash$	L		0
TOTAL CRAFT LABOR  TOTAL SUPERVISION  53 57 78 88 92 98 96 94 93 74 71 63 0 0 37 49 69 79 110 110 132 134 142 146	perating Engineers	+	+	+	-	I	+	+	+	1	1	1	+	1	1	İ	t	+	+	+	1	L		t	t	H	H	F	H	L		2
TOTAL CSAFT LABOR TOTAL SUPERVISION  53 57 78 88 92 98 96 94 93 74 71 63 0 0 37 49 69 111 110 132 134 142 146	lare Machania	+	+	+	1	1	1	+	+	1		1	+	+	1	İ	t	$\dagger$	+	+	+			t	t	+	+		+	ļ		+
TOTAL CRAFT LABOR  TOTAL SUPERVISION  TOTAL SUPERVISION  53 57 78 88 92 98 96 94 93 74 71 63 0 0 37 49 69 79 110 110 132 134 142 146	notes / modulatings	+	+	+	-		1	+	+	1	$\int$		+	+	1	1	†	+	+	+	1	1	Ī	1	$\dagger$	+	+	t	+	1		- 6
TOTAL CRAFT LABOR  TOTAL SUPERVISION  TOTAL SUPERVISION  53 57 78 88 92 98 96 94 93 74 71 63 0 0 37 49 69 79 110 110 132 134 142 146	ement rinsners	+	+	+			1	+	+	1		1	1	+	1	1	†	1	+	+	1	1		1	+	+	+		+	1		1
TOTAL CRAFT LABOR  TOTAL CRAFT LABOR  TOTAL SUPERVISION  53 57 78 88 92 98 96 94 93 74 71 63 0 0 37 49 69 79 109 111 110 132 134 142 146	asons	+	+	-				+	4	4			+	-			1	+	+	+	4			1	+	+	+	+	+	1		5
TOTAL CRAFT LABOR  TOTAL SUPERVISION  TOTAL SUPERVISION  53 57 78 88 92 98 96 94 93 74 71 63 0 0 37 49 69 79 110 110 132 134 142 146	heetrockers																		-	-						-			-	4		0
TOTAL CSAFT LABOR TOTAL SUPERVISION  1 53 57 78 88 92 98 96 94 93 74 71 63 0 0 37 49 69 79 109 111 110 132 134 142 146	oofers					1		Section 1										, de								-	-	-	+	-		9
TOTAL CRAFT LABOR  TOTAL CRAFT LABOR  TOTAL SUPERVISION  53 57 78 88 92 98 96 94 93 74 71 63 0 0 37 49 69 79 109 111 110 132 134 142 146	heetmetal Workers								H									Н								-		-		4		0
ANPOWER  TOTAL SUPERVISION  53 57 78 88 92 96 94 93 74 71 63 0 0 37 49 69 79 119 110 132 134 142 146	prinkler Fitters																			-								1	+	4		0
ANPOWER  TOTAL SUPERVISION  TOTA	ainters							3					10 M														-	1	-	4		0
TOTAL CWETVABOR  TOTAL SUPERVISION  ANIPOWER  53 57 78 88 92 98 96 94 93 74 71 63 0 0 37 49 69 79 109 111 110 132 134 142 146					Ц			H	Н				H		Ц														+	_	1	0
TOTAL SUPERVISION ANDOWER  TOTAL SUPERVISION  ANDOWER  53 57 78 88 92 98 96 94 93 74 71 63 0 0 37 49 69 79 109 111 110 132 134 142 146	TOTAL CRAFT LABOR			Н					Н	-																1	+	1	+	_	~	23
NAN-OWERK		+	+	+	-		1		-	1			+	+	1		†	1	+	+	1	1	1	1	†	+	+	+	+	1	f	30
53  57  78  88  92  98  96  94  93  74  71  63  0  0  37  49  69  79  109  111  110  132  134  142  146	OTAL MANPOWER	1	-	4	-		1	1	4	-			1	+	1		1	1	+	+	4	1	1	1	1	1	1	1	+	4	1	
33 37 76 68 32 36 36 36 34 71 03 0 0 37 49 69 78 109 111 110 132 134 142 140	440	55	-					1	1	1	L		-	L	1	70						446	476			1	1		201 20	1 28	34	5
24 25 20 20 20 20 40 41 45 40 41 45 40 40 24 20 20 20 20 20 20 20 20 20 20 20 20 20	OIAL	3	- 1	- 1	- 1	- 1	- 1		- 1			1	1		1	2 0		_	- 1	- 1		140	0/1	200	000	000	000	230	167	33 34	35	36
1 2 3 4 5 6 7 7 12 23 14 10 11 12 13 14 15 15 17 17 18 18 10 11 17 17 17 17 17 17 17 17 17 17 17 17	TINON IN	=	1					ē	1	١	_	-	-	_	١	•				- 1		4	40		_				,	,	,	7

Table 5.10B-1 Construction and Demolition Personnel by Month

Company   Comp	Demolition Units 1-4						2019	6										2020						MAN	DAYS/MO.	MAN DAYS	HRS /	HOURS
1   1   1   1   1   1   1   1   1   1		JAN			APR		Г							FEB		APR								THE PERSON	14 15 15 15 25 1	2016/07/05		10000
1   1   1   1   1   1   1   1   1   1	Month After Commencement	37	m		40	41	42	Ш	44	45	46	Ц				Ц	53	5	22									200
No. No. No. No. No. No. No. No. No. No.									1	+	+	+	+	1				1	+	+	+	1		00		0110	-	0110
1   1   1   1   1   1   1   1   1   1	Carpenters			1					1	1	+	1	+	-				1	+	+	1	-		200		0410	2	0410
1   1   1   1   1   1   1   1   1   1	Laborers								1	1	+	+	+	1					1	+	+	1		18		37.26	200	3726
1   1   1   1   1   1   1   1   1   1	Teamsters								1	1	+	1	+	1				1	1	+	+	1	1	-		1967	2 9	4057
MANOWENE	Electricians			1					1	+	+	+	+	-				1	+	+	+	1				1991	1	1001
National Part	Iron Workers		1							1	+	+	+	1				1	1	+	+	1				7671	0	7671
NAMES   NAME	Milwrights									1	+	1	-						-	+	-					1656	01	1656
State   Stat	Bollermakers						Ī			1	+							1	1	-	-	-				0	01	
National Page   Page	Plumbers		Į.								1	1		1				1	1	-						0	10	
National	Piling Crew												4													276	10	276
Particle   Particle	Insulation Workers									100								X 1						9		1564	10	1564
Figure   F	Operating Engineers										-	-												4		1012	10	1012
Fine Fine Fine Fine Fine Fine Fine Fine	Oilers / Mechanics								100		-															0	10	
Filters	Cement Finishers										-														0			
Fiftee   F	Roofers									-	-		-					-					S	No. of the last	0	STATE OF STREET		But Local
Total Contro	Sheetmetal Workers										-		-						-	-					0			
TOTAL CHAFT LABORE   TOTAL C	Sprinkler Fitters										-	-							-	-		-			0			
TOTAL CONFIT CADENTIA CHORDING   TOTAL SUPPERVISION   TOTAL SUPPERVISI	Daintere			1					-	-	+	-		-					+	-		_			0	96 A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
10   1   1   1   1   1   1   1   1   1		~								-	-													83		19251	10	19251
ANA   FEB   MAR   APK   MAY    TOTAL SUPERVISION										-		-	-					-	-				12		2760	10	2760	
1			T	T	I				1	1	+	+	1	1				1	+	1	-	-		95		22011	10	22011
14   FEB   MARY   APK   ARK   APK    TOTAL MANPOWER								1	1	1	1	$\frac{1}{2}$	1				1	1	1	1	1		3			2		
Supplementary   Supplementar			1		1						0.00		1	1000										MAN			HRS /	MAN
144   FEB   MAX   MAY   JUN   JUN   MAY   MAY   MAN   MAY   MAN   MAY   MAN   MAY    Power Block Construction	1000					201	6						The second				202			-	1		MONTHS	DAYS / MO.	MAN DAYS	DAY	HOURS	
37   38   39   44   44   45   46   47   48   49   60   51   52   53   54   55   56   57   58   59   60   70   70   70   70   70   70   70		NAC	FEB	MAR	APR	000		JLY ,		EP O	CT N	ad vc		4 FEB	MAR	APR		NOS	LY AL	G SE	S	NON				AL 4001 AL		
10   10   10   10   10   10   10   10	Month After RBEP Commencement	37	38	39		41	42		44	45	46						53		22					The state of the s		Section 1		
30         20         10         4	Dilina Crew	I		10		9					+	+	+	1					+	+	+	-		1		1610	10	1610
Signature   Sign	Corporations	30	20	10		A	A		1	1	+	-	+	-					-	-	-	L		48		11040	10	11040
1	Carpeners	3 4	25	45		-			1	+	+	+	+	1				-	+	+	1			229		13225	101	13225
1	Laborers	9 0	0	2 0		1	1			+	+	+	+	+					+	+	+	1	1	200		4600	10	ARON
A	leamsters	0 00	0	10					1	+	+	+	+	1				1	+	+	1	1		44		10281	10	10281
1	Electricians	3 6		200	,	1	1		1	+	+	+	+	+	1	I		1	+	+	+	1		573		13294	10	13204
15   10   10   14   4   4   4   4   4   4   4   4	Ironworkers	47		30			1		1	+	+	+	+	+	1			1	+	+	+	1		5		1020	2 0	2530
15   10   10   4   4   4   4   4   4   4   4   4	Milhwights	٥		٥					1	1	+	+	+	+				1	+	+	+	1		-		2000	2 9	2000
14   10   11   11   5   5   6   6   6   6   6   6   6   6	Boilermakers	15		10					1	1	1	+	+						1	-		-		57		RRCC	0	5555
12   10   10   4   4   4   4   4   4   4   4   4	Plumbers	14		11	11	5												1	1	-	-	1		29		9089	10	9909
13   9   9   9   9   9   9   9   9   9	Pipefitters	12	10	10																-				21		4968	10	4968
15   12   4   4   4   4   4   4   4   4   4	Insulation workers	13		6														100			101			19		4370	10	4370
4         3         2         2         2         2         3         2         1         7         7         4         3         2         3         2         3         2         3         2         3         2         3         1         1         1         7	Operating Enginneers	15		4								-				100	N. T.	100						28		6624	10	6624
17   17   17   14   18   19   19   23   7107   10   10   10   10   10   10	Oilers / Mechanics	4	3	2	2	2					-	-		L										ď		2185	10	2185
S   6   11   11   14   1   14   1   14   1   1	Cement Finishers	17	17	11	7	7	4				-	-	H						-			7		30.		7107	10	7107
13   13   13   13   13   14   15   15   15   15   15   15   15	Roofers	80		11	L	┺					-	-	-						-	-				13		3013	10	3013
S   S   S   S   S   S   S   S   S   S	Sheetmetal Workers	13		13		1				-	+	-	+	L					-					19		4577	10	4577
TOTAL CRAFT LABOR 271 151 167 165 16 16 16 16 16 16 16 16 16 16 16 16 16	Sprinkler Eithere	8				1					-	-	-	-					-	-				14		3381	10	3381
TOTAL CARATLABOR 271 215 187 145 129 70 6720 10 10 10 10 10 10 10 10 10 10 10 10 10	Painters	9						1		T		-	-						-					9		1518	10	1518
TOTAL SUPERVISION 15 15 10 10 10 10 10 10 10 10 10 10 10 10 10					L	1				-	+	-	-						-					464		106720	10	106720
286 230 197 156 139 80                   15713 20	TOTAL SUPERVISION		L		L				T	T	-	-	V	-						-				39		8993	10	8993
		┖		ı			ı			-	+	-	-	L					-		18			503		115713	20	115713

Table 5.10B-1 Construction and Demolition Personn

MAN

Demolition Existing Units 5-8						2019					. 5						2020						MAN	DAYS/MO.	MAN DAYS	HRS /
	JAN	FEB	MAR /	APR	WAY JI	IUN JALY	Y AUG	G SEP	OCT	NOV	DEC	JAN	FEB MA	MAR APR	R MAY	NOC Y	1 JILY	AUG	SEP	ОСТ	NOV	DEC				
Month After RBEP Commencement	37	38	39	40	41	42	43	44	45 46	6 47	48	49	20	51	25	53	54 55	5 56	57	58	59	9				
		П	П	П			Н	Ш					H	H		Ц	Ш			Ц		,	000	00		ľ
Carpenters	8	20	20	20	6	40	9	40	40 40	40	40	40	40	40	40	40	40 40	0 40	20	20	16	16	780	23		2
Laborers	4	8	8	8	14	14	18	18	18 18	18	3 18	18	18	18	18	18	18 14	4 14	1 8	8	8	8	332	23	7636	10
Feamsters	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0			10
Electricians	0	4	4	4	4	4	8	8	8	8 8	8	8	80	80	80	8	8	4	4	4	4	0	136	23		
Iron Workers	0	4	4	4	4	4	8		8	8 8	8	8	8	8	8	8	8	4	4	4	0	0	132	23		10
Milwrights	0	0	0	0	9	9	10	10	10 10	10	10	10	10	10	10	10	10	9	9	0	0	0	144	23	3312	10
Boilermakers	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0			0	
Plumbers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Pipe Fitters	0	0	0	0	0	0	9	9	9	9 9	9	9	9	9	9	9	9	0	0	0	0	0	72	23		
nsulation Workers	2	9	9	9	9	9	9	9	9	9 9	9	9	9	9	9	9	9	9	9 9	9 6	4	4	136	23		10
Operating Engineers		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	92	23	2116	
Ollers / Mechanics					-	-	H	L					-	H	H										0	
Cement Finishers		Г				-	H	H	L					_												
Roofers						-	L						-	-	_		Ц									
Sheetmetal Workers						-	-																			
Sprinkler Fitters					-	-		L					-		H	Н										
Painters						-		L																		
TOTAL CRAFT LABOR	14	46	46	46	78	78 1	1001	100	100	100	100	100	100	1001	100	100	100 78	8 78	8 46	3 46	36	32	1824	23	1	
TOTAL SUPERVISION	3	3	3	3	3	3	2	2	5	5 5	9	2	5	2	2	2	2	3	3 3	3 3			96			
TOTAL MANDOWER	17	949	Г	40	70	04	405	405	207	400				,	-				,	40	9	20	-	-	44400	•

JAN   FEB   MAR   APR   MAY   JUN	JLY 43 43 10 00 00 10 10 10 10 10 10 10 10 115 115	AUG SEP										MONINS			DAY	HOURS
v         4         4         41 <th>4</th> <th>L</th> <th>OCT</th> <th>NOV DEC</th> <th>JAN FEB</th> <th>MAR APR</th> <th>MAY</th> <th>JUN JLY</th> <th>AUG SEP</th> <th>OCT</th> <th>NOV DEC</th> <th>0</th> <th></th> <th></th> <th></th> <th></th>	4	L	OCT	NOV DEC	JAN FEB	MAR APR	MAY	JUN JLY	AUG SEP	OCT	NOV DEC	0				
8 5 5 6 15 15 14 1 10 10 10 10 10 10 10 10 10 10 10 10 1			2 46	47 48	49 50	51 52	53	54 55	95	57 58	59	09				
s	- -					_										
8 4 4 10 10 1 8 5 5 5 15 15 15 15 15 15 15 15 15 15 15		0	0	0 0									20 23		10	4600
5 5 5 15 15 1 2 4 4 4 4 14 14 14 15 15 15 15 15 15 15 15 15 15 15 15 15		10	10 10	10 6							-	-			10	24380
s s s s s s s s s s s s s s s s s s s	-	15 1	15 15	15 10								٠	155 23		10	35650
5 4 4 4 4 4 14 14 15 15 15 15 15 15 15 15 15 15 15 15 15		9	9 9	6 1										1495	10	14950
ers	Ш	4	4	4 0									46 23		10	10580
ters 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		14	14 10	10 4								1			10	28520
ens 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	0	0	0									0			0
workers 0 0 0 5 5 5	0	0	0	0												0
workers 0 0 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 4	4	0	0		L					- 100 m	8		3 759	10	7590
0 0 0 2	2 2	2	0	0											10	2760
	5	7	7 7	7 3							-		53 23		10	12190
Operating Enginneers 4 4 6 5	5	4	4	4											10	12880
2 2 2 3 3	3	3	3	3									34 23	3 782	10	7820
Cement Finishers 2 2 7 7 7	7 7	7	7 5	5 5		L		L							10	15410
Masons 0 2 2 7 7 7	7 7	7	7 5	5 5					5 100					3 1403	10	14030
Sheetrockers 0 0 0 0 0 0	0	0	0	0									0	0		0
Roofers 0 0 0 0 0 0 0	3	3	3	3 0			10								10	4140
Sheetmetal Workers 2 2 2 4 4	4	4	4	4									41 23	3 943	10	9430
Sprinkler Fitters 0 0 0 0 0 0	4	4	4	0											10	4600
Painters 0 0 0 0 0 0 0	3	8	3	3		-		F					18 23		10	4140
1& C - Control Room 0 0 0 4 4	4	4	4	4				F					32 23	3 736	10	7360
TOTAL CRAFT LABOR 32 36 48 99 88 9	98 102	101 99	9 87	83 37								6	961 2:	2	10	221030
3 6 6	9 9	9	9 9	6 3											10	15870
TOTAL MANPOWER 35 39 54 105 94 10	104 108	107 105	5 93	89 40				F				10	1030 23	3 23690	10	236900

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