

# LEED 2009 SCORECARD (BUILDING DESIGN & CONSTRUCTION)

		62	22	26	Project	t To	otals A-Achieved	X-Documented	Y-Reliable ?-Possible	N-Unattainable	Certifie	<b>ed:</b> 40	49 points	i   Silver:	: 50-8	59 points   Gold: 60-79 points   Platinum: 80+ points	
Α	х	Υ	?	Ν							Α	Y	? N				
		20	4	2	Sustain	abl	e Sites			26 Pts		4	3 7	Materia	als &	Resources	14 Pts
		Р			Prereq 1	С	Construction Activity P	ollution Prevent	ion	Р		Р		Prereq 1	D	Storage & Collection of Recyclables	P
		1			Credit 1	D	Site Selection			1				Credit 1	С	Building Reuse	
		5			Credit 2	D	Development Density a	nd Community C	Connectivity	5			1	Credit 1.1		Maintain 55% of Existing Walls, Floors, and Roof - RP CREDIT	1
				1	Credit 3	D	Brownfield Redevelopm	nent		1			1	Credit 1.2		Maintain 75% of Existing Walls, Floors, and Roof	1
		6			Credit 4.1	D	Alternative Transportati	ion: Public Trans	portation Access	6			1	Credit 1.3		Maintain 95% of Existing Walls, Floors, and Roof	1
		1			Credit 4.2	D	Alternative Transportati	ion: Bike Storage	e & Changing Rooms	1			1	Credit 1.4	С	Building Reuse: Maintain 50% of Interior Non-Structural Elements	1
		3			Credit 4.3	D	Alternative Transportati	ion: Low Emitting	& Fuel Efficient Vehicles	3		1		Credit 2.1	С	Construction Waste Management, Divert 50% from Disposal	1
			2		Credit 4.4	D	Alternative Transportati	ion: Parking Capa	acity	2		1		Credit 2.2	С	Construction Waste Management, Divert 75% from Disposal	1
				1	Credit 5.1	D	Site Development: Prote	ect or Restore Ha	bitat	1			1	Credit 3.1	С	Material Reuse, 5%	1
			1		Credit 5.2	D	Site Development: Maxi	mize Open Space	e - RP CREDIT	1			1	Credit 3.2	С	Material Reuse, 10%	1
		1			Credit 6.1	D	Stormwater Design: Qua	antity Control		1		1		Credit 4.1	С	Recycled Content, 10% (post-consumer + 1/2 pre-consumer)	1
		1			Credit 6.2	D	Stormwater Design: Qua	ality Control		1		1		Credit 4.2	С	Recycled Content, 20% (post-consumer + 1/2 pre-consumer)	1
		1			Credit 7.1	С	Heat Island Effect: Non-	Roof		1			1	Credit 5.1	С	Regional Materials, 10% Extracted, Processed & Manufactured Regionally	1
		1			Credit 7.2	D	Heat Island Effect: Roof			1			1	Credit 5.2	С	Regional Materials, 20% Extracted, Processed & Manufactured Regionally	1
			1		Credit 8	D	Light Pollution Reduction	on		1			1	Credit 6	С	Rapidly Renewable Materials	1
		8		2	Water E	ffic	ciency			10 Pts			1	Credit 7	С	Certified Wood	1
		Р			Prereq 1	D	Water Use Reduction: 2	0% Reduction		Р		9	3 3	Indoor	Envi	ironmental Quality	15 Pts
		2			Credit 1.1	D	Water Efficient Landsca	aping: Reduce by	/ 50%	2		Р		Prer1	D	Minimum IAQ Performance	P
		2			Credit 1.2	D	Water Efficient Landsca	aping: No Potable	e Use or No Irrigation	2		Р	1	Prer2	D	Environmental Tobacco Smoke (ETS) Control	Р
				2	Credit 2	D	Innovative Wastewater	Technologies - I	RP CREDIT	2			1	Credit 1	D	Outdoor Air Delivery Monitoring	1
					Credit 3	D	Water Use Reduction						1	Credit 2	D	Increased Ventilation	1
		4					30% Reduction / 35% Re	duction / 40% Re	duction - RP CREDIT	4		1		Credit 3.1	С	Construction IAQ Management Plan, During Construction	1
		16	7	12	Energy	& A	Include materials cost	only.		35 Pts			1	Credit 3.2	С	Construction IAQ Management Plan, Before Occupancy	1
		Р			Prereq 1		Fundamental Commiss	ioning Building	Energy Systems	Р		1		Credit 4.1	С	Low-Emitting Materials, Adhesives & Sealants	1
		Р			Prereq 2	D	Minimum Energy Perfor	mance: 10% Ne	w Bldgs	Р		1		Credit 4.2	С	Low-Emitting Materials, Paints & Coatings	1
		Р			Prereq 3	D	Fundamental Refrigera	nt Management		Р		1		Credit 4.3	С	Low-Emitting Materials, Flooring Systems	1
					Credit 1	D	Optimize Energy Perfor	mance (New Bu	ildings, 12% - 48%)	1-19		1		Credit 4.4	С	Low-Emitting Materials, Composite Wood & Agrifiber Products	1
		2					12% New Buildings / 14%	New Buildings		1-2			1	Credit 5	D	Indoor Chemical & Pollutant Source Control	1
		2					16% New Buildings / 18%	New Buildings		1-2		1		Credit 6.1	D	Controllability of Systems, Lighting	1
		2					20% New Buildings / 22%	New Buildings		1-2		1		Credit 6.2	D	Controllability of Systems, Thermal Comfort	1
		1	1				24% New Buildings / 26%	New Buildings		1-2		1		Credit 7.1	D	Thermal Comfort, Design	1
			2				28% New Buildings / 30%	New Buildings		1-2			1	Credit 7.2	D	Thermal Comfort, Verification	1
			2				32% New Buildings / 34%	New Buildings		1-2			1	Credit 8.1	D	Daylight & Views, Daylight 75% of Spaces - RP CREDIT	1
				2			36% New Buildings / 38%	New Buildings		1-2		1		Credit 8.2	D	Daylight & Views, Views for 90% of Spaces	1
				2			40% New Buildings / 42%	New Buildings		1-2		3	3	Innovat	tion	& Design Process	6 Pts
				2			44% New Buildings / 46%	New Buildings		1-2		1		Credit 1.1	D	Innovation in Design: Exemplary Performance SSc4.1 Public Transit	1
				1			48% New Buildings			1			1	Credit 1.2	С	Innovation in Design: Exemplary Performance SSc5.2 Maximize Open Space	<b>:e</b> 1
					Credit 2	D	On-Site Renewable Ene	ergy (1% - 13%)				1		Credit 1.3	С	Innovation in Design: Sustainable Education	1
		2					1% Renewable Energy -	RP CREDIT / 3%	Renewable Energy	2			1	Credit 1.4	С	Innovation in Design: Green Housekeeping	1
			2				5% Renewable Energy / 7	7% Renewable E	nergy	2			1	Credit 1.5	С	Innovation in Design: Low Mercury Lamping	1
				2			9% Renewable Energy / 7	11% Renewable B	Energy	2		1		Credit 2	С	LEED™ Accredited Professional	1
				1			13% Renewable Energy			1		2	2	Region	al Pi	riority Credits	4 Pts
		2			Credit 3	D	Enhanced Commission	ing		2			1	Credit 1.1	D	Regional Priority Credit: SSc5.2 - Open Space	1
		2			Credit 4	D	Enhanced Refrigerant M	lanagement		2		1		Credit 1.2	D	Regional Priority Credit: WEc3 - Water Use Savings 40%	1
		1		2	Credit 5	D	Measurement & Verifica	ation		3		1		Credit 1.3	D	Regional Priority Credit: EAc2 - Renewable Energy 1%	1
		2			Credit 6	D	Green Power			2			1	Credit 1.4	D	Regional Priority Credit: EQc8.1 - Daylight 75%	1

Project Name:	Berkeley Center High-Rise Residential
Project Zip Code:	92101



# LEED 2009 ASSESMENT (BUILDING DESIGN & CONSTRUCTION)

		62	22	26	Project Totals:	A-Achieved	X-Documented	Y-Reliable ?-Possible	N-Unattainable	Certified: 40-49 points	Silver: 50-59 points	Gold: 60-79 points   Platinum: 80+ points	
Α	Х	Y	?	Ν									
						Project In	formation F	orms		0 Points	;	Comments	Action
		Р			Req	PI Form 1	Minimum	Program Requirements		D	Form contains general requ	uirements for all projects pursuing LEED certification.	
		Р			Req	PI Form 2	Project Su	ummary Details		D	Form contains general proj	ject information.	
		Р			Req	PI Form 3	Occupant	and Usage Data		D	Form contains more detaile	ed information on occupancy and building area breakdowns.	
		Р	İ		Req	PI Form 4	Schedule	and Overview Documents		D	Form contains information	on project scheduling and general overview documentation.	
		20	4	2		Sustainat	ole Sites			26 Points	S	Comments	Action
		Р			Req	SS Prereq 1	Construct	ion Activity Pollution Prever	ntion	С	Site will comply with SWPF	PP requirements.	
		1			1	SS Credit 1	Site Select	tion		D	Site is previously develope	d and does not meet any of the prohibited criteria.	
		5			5	SS Credit 2	Developm	ent Density and Community	Connectivity	D	Project site complies with o	community connectivity requirements.	
				1	1	SS Credit 3	Brownfield	d Redevelopment		D	Site is not a designated bro	ownfield. No remediation required. Not Applicable.	
		6			6	SS Credit 4.1	Alternative	e Transportation: Public Trar	nsportation Access	D	Project complies. Multiple I Performance.	bus stops and rail nearby. Project also qualifies for Exemple	ary
		1			1	SS Credit 4.2	Alternative	e Transportation: Bicycle Sto	brage & Changing Ro	ooms D	Provide covered bicycle pa Need to provide shower (This can be in a tenant o is speculative.)	arking for 15% of residents AND 5% of total non-residential / changing rooms for 0.5% of FTE non-residential occu design guideline document if build out of retail / mixed	occupants. pants . use space
		3			3	SS Credit 4.3	Alternative	e Transportation: Low Emittir	ng & Fuel Efficient V	'ehicles D	5% of total provided parkin spaces). Visitor and reside	g spaces will be designated for alternative fuel vehicles (pre ential.	ferred
			2		2	SS Credit 4.4	Alternative	e Transportation: Parking Ca	apacity	D	In order to comply, project pool parking for 5% of total for shared vehicle use (dro confirm total parking pro	will need to meet, but not exceed parking code AND provide I non-residential parking AND provide infrastructure/support op off zone, designated van-pool parking, ride boards, etc.) vided vs code requirements.	e car/van programs <b>Need to</b>
				1	1	SS Credit 5.1	Site Devel	opment: Protect or Restore H	labitat	D	Not Applicable		
			1		1	SS Credit 5.2	Site Devel	opment: Maximize Open Spa	ice	D	REGIONAL PRIORITY - N open space (assumed no r oriented hardscape. Vege	<b>leed to confirm.</b> - Minimum of 20% of the project's total are minimum open space requirment). 25% of total may be ped tated roof areas can be counted towards compliance.	ea must be estrian
		1			1	SS Credit 6.1	Stormwate	er Design: Quantity Control		D	<b>Need to confirm.</b> Reduce Current narrative indicates retention.	e Rate AND Quantity by a minimum of 25% from previous d no increase and possibly some reduction. Compliance is li	evelopment. kely with
		1			1	SS Credit 6.2	Stormwate	er Design: Quality Control		D	Need to confirm. Require of the average annual rainf	es treatment of to remove 80% of the total suspended solids fall. LIKELY BASED ON RETENTION AND REUSE.	s from 90%
	12/12	<b>1</b>			1	SS Credit 7.1	Heat Islan	d Effect: Non-Roof	Page 2	C 2 of 7	Project has 100% of the to minimum SRI 29 on the bu	tal on-site parking under ground and will have a roof system ilding.	that has a D+C Assessment

Phase: 12/12/12 Preliminary Targets
Anticipated Rating: LEED-NC Gold



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		1			1	SS Credit 7.2	Heat Island Effect: Roof	D	<b>Need to confirm.</b> - Requires 75% of the roof surfaces to be SRI 78 (flat roofs). Will be able to combine vegetated roof and high-reflectance materials.
			1		1	SS Credit 8	Light Pollution Reduction	D	Need to confirm. Not generally achievable for urban projects with tight site / building lines.
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		8		2		Water Efficie	ency	10 Point	s Comments Action
		Р			Req	WE Preq 1	Water Use Reduction: 20% Reduction	D	Project will comply. Savings can be accomplished through low-flow / efficient fixtures.
		2			2	WE Credit 1.1	Water Efficient Landscaping: Reduce by 50%	D	Project will comply based on landscape materials / typical irrigation needs / water reuse.
		2			2	WE Credit 1.2	Water Efficient Landscaping: No Potable Use or No I	rrigation D	Project will comply based on landscape materials / typical irrigation needs / water reuse.
				2	2	WE Credit 2	Innovative Wastewater Technologies	D	REGIONAL PRIORITY - Not applicable Requires 50% reduction in wastewater generation (composting toilets / water free urinals / on-site treatment / etc.)
					2 to 4	WE Credit 3	Water Use Reduction	D	
		2			2	include materi	al: 30% Potable Water Reduction		REGIONAL PRIORITY 40% - Recommend selection of 1.28 gpf or dual flush w/c, .028 gpf urinals
		1			1		35% Potable Water Reduction		(commercial / common), 1.6 gpm or lower residential faucets & 0.5 gpm commercial faucets, 1.5 gpm kitchen faucets. Will likely yield 40% savings.
		1			1		40% Potable Water Reduction		

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	16	7	12		Energy & At	mosphere	35 Points	Comments	Action
	Р			Req	EA Prereq 1	Fundamental Commissioning of the Building Energy Systems	С	Project will comply. 3rd Party Commissioning Agent will need to be contracted during design verification.	
	Р			Req	EA Prereq 2	Minimum Energy Performance: 10 % New Buildings	D	Project will likely be able to achived a minimum 24.17% savings based on efficient system design and on-site renewables. Higher performance is highly likely.	
	Ρ			Req	EA Prereq 3	Fundamental Refrigerant Management	D	Project systems will have no CFC based refrigerants.	
				1 to 19	EA Credit 1	Optimize Energy Performance (New Buildings, 12% - 48%)	D		
	2			2		12% New Buildings / 14% New Buildings			
	2			2		16% New Buildings / 18% New Buildings			
	2			2		20% New Buildings / 22% New Buildings			
	1	1		2		24% New Buildings / 26% New Buildings			
		2		2		28% New Buildings / 30% New Buildings		Project will likely be able to achived a minimum 24.17% savings based on efficient system design and on-site renewables. Higher performance is highly likely.	
		2		2		32% New Buildings / 34% New Buildings			
			2	2		36% New Buildings / 38% New Buildings			

Project Name: Berkeley Center High-Rise Residential Project Zip Code: 92101



#### LEED 2009 ASSESMENT (BUILDING DESIGN & CONSTRUCTION)

	62	22	26	Project Totals:	A-Achieved	X-Documented	Y-Reliable ?	?-Possible	N-Unattainable	Certified: 40-49 poi	ints	Silver: 50-59 points	Gold: 60-79 poi	nts	Platinum: 80+ points
			2	2		40% New B	uildings / 42% N	lew Buildings							
			2	2		44% New B	uildings / 46% N	lew Buildings							
			1	1		48% New B	uildings								
				1 to 7	EA Credit 2	On-Site Re	newable Energy	y (1% - 13%)		1	D				
	2			2		1% Renewa	able Energy / 3%	Renewable B	Energy			Desired will in stall a star M		Main	T. I. I
		2		2		5% Renewa	able Energy / 7%	Renewable I	Energy			Project will install solar tr Energy Model (EAp2).	iermal and photovo	oltaic ari	ay. I otal amound to be confirmed through
			2	2		9% Renewa	able Energy / 11%	% Renewable	Energy						
			1	1		13% Renew	vable Energy								
	2			2	EA Credit 3	Enhanced	Commissioning	g		(	С	Need to confirm. Requ and engage in re-commis	ires 3rd party Cx a ssioning of systems	gent to s prior to	perform additional design / submittal reviews, o warranty end.
	2			2	EA Credit 4	Enhanced	Refrigerant Mar	nagement		I	D	Need to confirm. All inst the combined Ozone De	talled HVAC equip pleting Potential / C	ment w Global W	ill achieve a combined score of 100 or less in /arming Potential calcuations.
	1		2	3	EA Credit 5	Measureme	ent & Verificatio	on		(	С	1 point possible for elect requred.)	ronic reporting of e	nergy a	nd water use data to USGBC. (Reporting is
	2			2	EA Credit 6	Green Pow	er			(	C	<b>Need to confirm if this</b> Renewable Energy Certi of 2 years.	<i>is desired</i> . Requi ficates equal to 359	res pur % of the	chase of Green E cerrtified power or project's total annual electrical use for a period

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	4	3	7		Materials &	Resources	14 Points	Comments	Action
	Р			Req	MR Prereq 1	Storage & Collection of Recyclables	D	Project will need to provide indoor recycling collection areas and easily accessable central collection zones. Total central collection area required by LEED 275 s.f. based on 170,000 s.f. occupied building area.	
				1 to 3	MR Credit 1	Building Reuse	С	Not applicable.	
			1	1	Credit 1.1	Maintain 55% of Existing Walls, Floors, and Roof	С	REGIONAL PRIORITY - Not Applicable	
			1	1	Credit 1.2	Maintain 75% of Existing Walls, Floors, and Roof	С	Not applicable.	
			1	1	Credit 1.3	Maintain 95% of Existing Walls, Floors, and Roof	С	Not applicable.	
			1	1	MR Credit 1.4	Building Reuse, Maintain 50% of Interior Non-Structural Elements	С	Not applicable.	
	1			1	MR Credit 2.1	Construction Waste Management, Divert 50% from Disposal	С	Project will be required to divert a minimum of 50% of construction waste from landfill under likely CALGreen code modifications for high-rise residential.	
	1			1	MR Credit 2.2	Construction Waste Management, Divert 75% from Disposal	С	Project will likely be able to accomplish 75% diversion rate.	



# LEED 2009 ASSESMENT (BUILDING DESIGN & CONSTRUCTION)

		02	22	20	FIOJECT TOTAIS	. A-Acilieveu A-D	ocumented f-Renable ?-Possible N-Onattainable Certined. 40-49	points		
				1	1	MR Credit 3.1	Material Reuse, 5%	С	Not applicable.	
				1	1	MR Credit 3.2	Material Reuse, 10%	С	Not applicable.	
		1			1	MR Credit 4.1	Recycled Content, 10% (post-consumer + 1/2 pre-consumer)	С	Requires that the project document a minimum 10% combined (post-consumer / 1/2 pre- consumer) recycled content value (based on total materials value) for the project.	
		1			1	MR Credit 4.2	Recycled Content, 20% (post-consumer + 1/2 pre-consumer)	С	Potential target for the project. See MRc4.1 for additional information.	
			1		1	MR Credit 5.1	Regional Materials, 10% Extracted, Processed & Manufactured Regionally	С	Potential target for the project. Requires a minimum of 10% of materials (by value) are manfactured <b>AND</b> harvested / extracted / recovered within 500 miles of the project site.	
			1		1	MR Credit 5.2	Regional Materials, 20% Extracted, Processed & Manufactured Regionally	С	Potential target for the project. See MRc5.1 for additional information.	
				1	1	MR Credit 6	Rapidly Renewable Materials	С	Not applicable. Requires a minimum of 5% of total materials to be rapidly renewable (i.e. cotton batt insulation, linoleum, cork, bamboo, etc.)	
			1		1	MR Credit 7	Certified Wood	С	Requires a minimum of 50% FSC certified wood. Requires tracking of Chain of Custody and provision of invoices / material data to confirm FSC certified content. Need to confirm total new wood to be used. Includes doors, casework, etc. Likely Target For Project.	
Α	X	Y	?	N						
		9	3	3		Indoor Envir	onmental Quality	15 Points	G Comments	Action
		Р			Req	EQ Prereq 1	Minimum IAQ Performance	D	Building is required to comply with ASHRAE 62.1-2007 minimum ventilation requirements. Will likely need to direct exhaust (through duct) kitchen to comply with LEED.	
		P P	-		Req	EQ Prereq 1 EQ Prereq 2	Minimum IAQ Performance Environmental Tobacco Smoke (ETS) Control	D	Building is required to comply with ASHRAE 62.1-2007 minimum ventilation requirements. Will likely need to direct exhaust (through duct) kitchen to comply with LEED. Requires no smoking within building and prohibition of smoking anywhere within 25 feet of building openings and air intakes (i.e. operable windows, doors, balconies, etc. <i>IF SMOKING ROOMS</i> <i>ARE INCLUDED, THEY WILL NEED TO BE FULLY SEPARATED, EXHAUSTED, AND</i> <i>PRESSURE TESTED TO ENSURE NO LEAKAGE.</i>	
		P		1	Req Req 1	EQ Prereq 1 EQ Prereq 2 EQ Credit 1	Minimum IAQ Performance Environmental Tobacco Smoke (ETS) Control Outdoor Air Delivery Monitoring	D	Building is required to comply with ASHRAE 62.1-2007 minimum ventilation requirements. Will likely need to direct exhaust (through duct) kitchen to comply with LEED. Requires no smoking within building and prohibition of smoking anywhere within 25 feet of building openings and air intakes (i.e. operable windows, doors, balconies, etc. <i>IF SMOKING ROOMS ARE INCLUDED, THEY WILL NEED TO BE FULLY SEPARATED, EXHAUSTED, AND PRESSURE TESTED TO ENSURE NO LEAKAGE.</i> Not Applicable - Requires CO2 monitoring of all naturally ventilated spaces and high density occpied mechanically ventilated spaces. Also requires outside airflow monitoring on air intakes.	
		P		1	Req Req 1 1	EQ Prereq 1 EQ Prereq 2 EQ Credit 1 EQ Credit 2	Minimum IAQ Performance Environmental Tobacco Smoke (ETS) Control Outdoor Air Delivery Monitoring Increased Ventilation	D D D D	Building is required to comply with ASHRAE 62.1-2007 minimum ventilation requirements. Will likely need to direct exhaust (through duct) kitchen to comply with LEED. Requires no smoking within building and prohibition of smoking anywhere within 25 feet of building openings and air intakes (i.e. operable windows, doors, balconies, etc. <i>IF SMOKING ROOMS ARE INCLUDED, THEY WILL NEED TO BE FULLY SEPARATED, EXHAUSTED, AND PRESSURE TESTED TO ENSURE NO LEAKAGE.</i> Not Applicable - Requires CO2 monitoring of all naturally ventilated spaces and high density occpied mechanically ventilated spaces. Also requires outside airflow monitoring on air intakes. Not Applicable - Requires project to increase minimum ventilation by 30% from EQp1 requirements for mech ventilated. For naturally ventilated spaces, need to provide analytic modeling of compliance.	
		P P		1	Req 1 1	EQ Prereq 1 EQ Prereq 2 EQ Credit 1 EQ Credit 2 EQ Credit 3.1	Minimum IAQ Performance Environmental Tobacco Smoke (ETS) Control Outdoor Air Delivery Monitoring Increased Ventilation Construction IAQ Management Plan, During Construction	D D D D C	Building is required to comply with ASHRAE 62.1-2007 minimum ventilation requirements. Will likely need to direct exhaust (through duct) kitchen to comply with LEED. Requires no smoking within building and prohibition of smoking anywhere within 25 feet of building openings and air intakes (i.e. operable windows, doors, balconies, etc. <i>IF SMOKING ROOMS</i> <i>ARE INCLUDED, THEY WILL NEED TO BE FULLY SEPARATED, EXHAUSTED, AND</i> <i>PRESSURE TESTED TO ENSURE NO LEAKAGE.</i> Not Applicable - Requires CO2 monitoring of all naturally ventilated spaces and high density occpied mechanically ventilated spaces. Also requires outside airflow monitoring on air intakes. Not Applicable - Requires project to increase minimum ventilation by 30% from EQp1 requirements for mech ventilated. For naturally ventilated spaces, need to provide analytic modeling of compliance. Contractor to be required to prepare and implement a full construction IAQ management plan during construction. Including minimum MERV 8 filtration if used or sealing of all ducts.	
	    	P P 1	1	1	Req 1 1 1 1 1 1	EQ Prereq 1 EQ Prereq 2 EQ Credit 1 EQ Credit 2 EQ Credit 3.1 EQ Credit 3.2	Minimum IAQ Performance         Environmental Tobacco Smoke (ETS) Control         Outdoor Air Delivery Monitoring         Increased Ventilation         Construction IAQ Management Plan, During Construction         Construction IAQ Management Plan, Before Occupancy	D D D C C	Building is required to comply with ASHRAE 62.1-2007 minimum ventilation requirements. Will likely need to direct exhaust (through duct) kitchen to comply with LEED. Requires no smoking within building and prohibition of smoking anywhere within 25 feet of building openings and air intakes (i.e. operable windows, doors, balconies, etc. <i>IF SMOKING ROOMS</i> ARE INCLUDED, THEY WILL NEED TO BE FULLY SEPARATED, EXHAUSTED, AND PRESSURE TESTED TO ENSURE NO LEAKAGE. Not Applicable - Requires CO2 monitoring of all naturally ventilated spaces and high density occpied mechanically ventilated spaces. Also requires outside airflow monitoring on air intakes. Not Applicable - Requires project to increase minimum ventilation by 30% from EQp1 requirements for mech ventilated. For naturally ventilated spaces, need to provide analytic modeling of compliance. Contractor to be required to prepare and implement a full construction IAQ management plan during construction. Including minimum MERV 8 filtration if used or sealing of all ducts. Project is required to be flushed out with 14,000 cu ft / sf of outside air prior to occupancy for compliance. Need to determine if this is feasible based on systems selection.	
	     	P P 1 1	1	1	Req 1 1 1 1 1 1 1 1	EQ Prereq 1 EQ Prereq 2 EQ Credit 1 EQ Credit 2 EQ Credit 3.1 EQ Credit 3.2 EQ Credit 4.1	Minimum IAQ Performance         Environmental Tobacco Smoke (ETS) Control         Outdoor Air Delivery Monitoring         Increased Ventilation         Construction IAQ Management Plan, During Construction         Construction IAQ Management Plan, Before Occupancy         Low-Emitting Materials, Adhesives & Sealants	D D D C C C	Building is required to comply with ASHRAE 62.1-2007 minimum ventilation requirements. Will likely need to direct exhaust (through duct) kitchen to comply with LEED. Requires no smoking within building and prohibition of smoking anywhere within 25 feet of building openings and air intakes (i.e. operable windows, doors, balconies, etc. <i>IF SMOKING ROOMS</i> <i>ARE INCLUDED, THEY WILL NEED TO BE FULLY SEPARATED, EXHAUSTED, AND</i> <i>PRESSURE TESTED TO ENSURE NO LEAKAGE.</i> Not Applicable - Requires CO2 monitoring of all naturally ventilated spaces and high density occpied mechanically ventilated spaces. Also requires outside airflow monitoring on air intakes. Not Applicable - Requires project to increase minimum ventilation by 30% from EQp1 requirements for mech ventilated. For naturally ventilated spaces, need to provide analytic modeling of compliance. Contractor to be required to prepare and implement a full construction IAQ management plan during construction. Including minimum MERV 8 filtration if used or sealing of all ducts. Project is required to be flushed out with 14,000 cu ft / sf of outside air prior to occupancy for compliance. Need to determine if this is feasible based on systems selection. Specify compliant adhesive and sealant products and enforce through construction.	
	      	P P 1 1 1	1	1	Req 1 1 1 1 1 1 1 1 1 1 1	EQ Prereq 1 EQ Prereq 2 EQ Credit 1 EQ Credit 2 EQ Credit 3.1 EQ Credit 3.2 EQ Credit 4.1 EQ Credit 4.2	Minimum IAQ Performance         Environmental Tobacco Smoke (ETS) Control         Outdoor Air Delivery Monitoring         Increased Ventilation         Construction IAQ Management Plan, During Construction         Construction IAQ Management Plan, Before Occupancy         Low-Emitting Materials, Adhesives & Sealants         Low-Emitting Materials, Paints & Coatings	D D D C C C C C	Building is required to comply with ASHRAE 62.1-2007 minimum ventilation requirements. Will likely need to direct exhaust (through duct) kitchen to comply with LEED. Requires no smoking within building and prohibition of smoking anywhere within 25 feet of building openings and air intakes (i.e. operable windows, doors, balconies, etc. <i>IF SMOKING ROOMS</i> <i>ARE INCLUDED, THEY WILL NEED TO BE FULLY SEPARATED, EXHAUSTED, AND</i> <i>PRESSURE TESTED TO ENSURE NO LEAKAGE.</i> Not Applicable - Requires CO2 monitoring of all naturally ventilated spaces and high density occpied mechanically ventilated spaces. Also requires outside airflow monitoring on air intakes. Not Applicable - Requires project to increase minimum ventilation by 30% from EQp1 requirements for mech ventilated. For naturally ventilated spaces, need to provide analytic modeling of compliance. Contractor to be required to prepare and implement a full construction IAQ management plan during construction. Including minimum MERV 8 filtration if used or sealing of all ducts. Project is required to be flushed out with 14,000 cu ft / sf of outside air prior to occupancy for compliance. <i>Need to determine if this is feasible based on systems selection</i> . Specify compliant adhesive and sealant products and enforce through construction.	
	        	P P 1 1 1 1 1	1	1	Req Req 1 1 1 1 1 1 1 1 1 1 1 1 1	EQ Prereq 1 EQ Prereq 2 EQ Credit 1 EQ Credit 2 EQ Credit 3.1 EQ Credit 3.2 EQ Credit 4.1 EQ Credit 4.2 EQ Credit 4.3	Minimum IAQ Performance         Environmental Tobacco Smoke (ETS) Control         Outdoor Air Delivery Monitoring         Increased Ventilation         Construction IAQ Management Plan, During Construction         Construction IAQ Management Plan, Before Occupancy         Low-Emitting Materials, Adhesives & Sealants         Low-Emitting Materials, Flooring Systems	D D D C C C C C C C	Building is required to comply with ASHRAE 62.1-2007 minimum ventilation requirements. Will likely need to direct exhaust (through duct) kitchen to comply with LEED. Requires no smoking within building and prohibition of smoking anywhere within 25 feet of building openings and air intakes (i.e. operable windows, doors, balconies, etc. <i>IF SMOKING ROOMS</i> <i>ARE INCLUDED, THEY WILL NEED TO BE FULLY SEPARATED, EXHAUSTED, AND</i> <i>PRESSURE TESTED TO ENSURE NO LEAKAGE.</i> Not Applicable - Requires CO2 monitoring of all naturally ventilated spaces and high density occpied mechanically ventilated spaces. Also requires outside airflow monitoring on air intakes. Not Applicable - Requires project to increase minimum ventilation by 30% from EQp1 requirements for mech ventilated. For naturally ventilated spaces, need to provide analytic modeling of compliance. Contractor to be required to prepare and implement a full construction IAQ management plan during construction. Including minimum MERV 8 filtration if used or sealing of all ducts. Project is required to be flushed out with 14,000 cu ft / sf of outside air prior to occupancy for compliance. <i>Need to determine if this is feasible based on systems selection</i> . Specify compliant adhesive and sealant products and enforce through construction. Specify compliant paint and coating products and enforce through construction.	

Project Name: Berkeley Center High-Rise Residential Project Zip Code: 92101



### LEED 2009 ASSESMENT (BUILDING DESIGN & CONSTRUCTION)

		62	22	26	Project Totals:	A-Achieved	X-Documented	Y-Reliable	?-Possible	N-Unattainable	Certified: 40-49 points	Silver: 50-59 points   Go	old: 60-79 points	Platinum: 80+ points	
			1		1	EQ Credit 5	Indoor Che	emical & Pollu	utant Source	Control	D	Requires 10 foot long perman- entry points to the building, AN ventilation for janitor/chemical hazardous chemicals (if prese Need to confirm if MERV13 equipment.	nent entryway systems ND, MERV-13 filtratio I storage / garage are ent.) I filtration is feasible	s (grilles, etc) at all major exterior n on all air handling units, AND, as, AND containment/storage fo for specified mechanical syst	r / parking lot exhaust only r disposal of em
		1			1	EQ Credit 6.1	Controllabi	ility of Syster	<b>ms</b> , Lighting		D	Provide individual lighting cont areas are required to comply.	ntrols for 90% or more	of occupants. (Residential and	non-residential
		1			1	EQ Credit 6.2	Controllabi	ility of Syster	<b>ms</b> , Thermal C	Comfort	D	Provide individual temperature windows may be counted as or residential areas are required	e and airflow controls controls for the zone i d to comply.)	for 50% or more of occupants. immediately adjacent. (Residentia	Operable al and non-
		1			1	EQ Credit 7.1	Thermal Co	omfort, Desigi	n		D	Requires compliance with ASI	HRAE 55-2004 therm	nal comfort criteria for all spaces.	
				1	1	EQ Credit 7.2	Thermal Co	omfort, Verific	cation		D	NOT APPLICABLE - Requires occupants and to develop a co	s owner to generate a corrective action plan f	and implement a thermal comfort to address issues, if raised.	survey to
			1		1	EQ Credit 8.1	Daylight &	Views, Daylig	ght 75% of Spa	aces	D	REGIONAL PRIORITY - Poss ensure apporpriate daylight	sible compliance. <i>Will</i> <i>t levels.</i>	l need to perform daylight ana	lysis to
		1			1	EQ Credit 8.2	Daylight &	Views, Views	s for 90% of S	paces	D	Likely compliance for all areas	s. Need to develop of	calculations to determine com	pliance.
Α	Х	Y	?	N											



# LEED 2009 ASSESMENT (BUILDING DESIGN & CONSTRUCTION)

	62	22	26	Project Totals:	A-Achieved	X-Documented Y-	-Reliable	?-Possible	N-Unattainable	Certified: 40-49	9 points	Silver: 50-59 points   Gold: 60-79 points   Platinum: 80+ points	
	3	3			Innovatio	n & Design Pro	ocess				6 Points	Comments	Action
	 1			1	ID Credit 1.1	Innovation in I	Design: Exe	emplary Perfo	ormance SSc4.1 Pu	blic Transit	D	Site complies. Both bus and rail lines likely exceed number of stops and daily trips required.	
		1		1	ID Credit 1.2	Innovation in I Space	Design: Exe	emplary Perfo	ormance SSc5.2 Ma	aximize Open	D	Project open space must be equal to a minimum of 40% of the total site area. Calculations will be required to confirm. Likely compliance.	
	 1			1	ID Credit 1.3	Innovation in I	Design: Su	istainable Edu	ucation		D	Requires development of a multi-featured sustainable education program. Program would need to have a minimum of 3 separate and distinct educational components that provide different information regarding the project, sustainable living, and/or other green topics.	
		1		1	ID Credit 1.4	Innovation in I	Design: Gre	een Housekee	eping		D	Develop and implement a green housekeeping program in accordance with previous LEED standards and LEED EBOM requirements. Requires development of plan, training, contract for green janitorial services for common areas, complete list of compliant chemicals / products, and sample products to residential tenants.	
		1		1	ID Credit 1.5	Innovation in I	Design: Lo	w Mercury La	amping		D	Requires documentation of LEED EBOM MRc4 low-mercury lamp credit and calculations. To comply for an ID point the mercury content of lamps would need to be below 80 picograms per lumen hour (per published Credit Interpretation Rulings and previous reviews with GBCI), Likely Compliance	
	 1			1	ID Credit 2	LEED™ Accre	dited Profe	essional			D	Project will comply.	

# AXY?N

2	2		Regional Pr	iority Credits*	4 Points	3	Comments	Action
	1	1	RP Credit 1.1	Regional Priority Credit: SSc5.2 - Open Space	D	See comments under SSc5.2		
 1		1	RP Credit 1.2	Regional Priority Credit: WEc3 - Water Use Savings 40%	D	See comments under WEc3		
 1		1	RP Credit 1.3	Regional Priority Credit: EAc2 - Renewable Energy 1%	D	See comments under EAc2		
	1	1	RP Credit 1.4	Regional Priority Credit: EQc8.1 - Daylight 75%	D	See comments under EQc8.1		
		N/A	ALTERNATE	Regional Priority Credit: WEc2 - Innovative Wastewater Technologies	D	Not Applicable		
		N/A	ALTERNATE	Regional Priority Credit: MRc1.1 - Building Reuse	D	Not Applicable		