

GS6: San Francisco Green Building Submittal Form for Municipal Projects

INSTRUCTIONS:

1. Select one (1) column to the right.

2. For each requirement in the column, indicate evidence of fulfillment in the References column.

3. Fill out the project information in the Verification box at the right.

4. Attach LEED Scorecard on separate, subsequent sheet.

Submittal must be a minimum of 24" x 36".

CHECK THE ONE COLUMN THAT BEST DESCRIBES YOUR PROJECT

*This form includes the requirements of San Francisco Green Building Code and Environment Code Chapter 7. Major Renovations as defined by Environment Code Chapter 7 also include Major Alterations as defined by SFGBC, where applicable.

TITLE				SOURCE OF REQUIREMENT	LEED v4 CREDIT	DESCRIPTION OF REQUIREMENT	MUNICIPAL			REFERENCES	VERIFICATION
							<div><input type="checkbox"/> NEW CONSTRUCTION & MAJOR RENOVATION*</div> <div>10,000 sq.ft. or greater</div>	<div><input type="checkbox"/> COMMERCIAL INTERIORS</div> <div>10,000 sq.ft. or greater</div>	<div><input type="checkbox"/> SMALL PROJECTS</div> <div>less than 10,000 sq.ft. or any not meeting LEED MPR's</div>	DRAWING OR SPECIFICATION # (If not applicable, indicate "N/A".)	PROJECT NAME
LEED		Required LEED Certification Level	Environment Code sec.705			Project is required to achieve sustainability certification listed at right.	GOLD (60+) CERTIFIED	GOLD (60+) CERTIFIED, LEED CI	n/r		BLOCK/LOT
		LEED Point Adjustment for Retention/Demolition of Historic Features/Building	SFGBC 5.104			Enter any applicable point adjustments in box at right.			n/r		ADDRESS
		LEED Points shown on Current Scorecard				Enter current expected LEED score in box at right.			n/r		PRIMARY OCCUPANCY
		LEED Scorecard Submittals	Environment Code sec. 705			For projects ≥10,000 sq.ft., submit LEED Scorecard to Municipal Green Building Task Force at 100% Concept Design, Schematic Design, Design Development, Construction Documents and As-Built. For projects <10,000 sq.ft., submit LEED Scorecard to Municipal Green Building Task Force at 100% Concept Design and As-Built. LEED Online is acceptable means of submittal.	•	•	•		BUILDING GROSS FLOOR AREA
MATERIALS		LOW-EMITTING MATERIALS	Environment Code sec.706 OR CALGreen 5.504.4.1-6	EQc2		For projects ≥10,000 sq.ft., use products that comply with LEED emissions & content requirements for paints, coatings, adhesives, sealants, flooring, composite wood, ceiling/wall/thermal/acoustic insulation, furniture if part of scope, and exterior applied products if healthcare or school project. For projects <10,000 sq.ft., use products that comply with the emission limit requirements of 5.504.4.1-6 for adhesives, sealants, paints, coatings, carpet systems including cushions and adhesives, resilient flooring (80% of area), and composite wood products.	LEED EQc2 (3 pts)	LEED EQc2 (3 pts)	5. 504.4.1-6		LEED PROJECTS
		CARPET	Regulation #SFE 207 8-01-PPO			Carpet must be commercial hard-backed carpet tiles and: 100% solution-dyed Type 6 or 6.6 cationic nylon; Cradle to Cradle Certified Silver; CRI Green Label Plus; hold Environmental Product Declaration & Health Product Declaration or equivalent; and contain <100 ppm antimicrobials & no flame retardants, PFAS, fly-ash, PVC, polyurethane, or synthetic styrene butadiene latex. Tile adhesive must meet CRI Green Label Plus or California Specification 01350. Tile tape adhesive must also be C2CPII Material Health Certificate (MHC) certified Bronze. Wet adhesives must also be C2CPII MHC Silver and contain <50g/l VOC.					Projects ≥10,000 square feet
		PVC ELIMINATION	Environment Code sec.509			Specify no materials containing PVC.	•	•	•		I understand Environment Code Chapter7 requires all applicable projects ≥10,000 square feet to attain LEED Gold certification from USGBC/GBCI. No Green Building Compliance Professional of Record is required.
		LEAD ELIMINATION	Environment Code sec.711			Specify no materials containing lead.	•	•	•		PROJECT MANAGER (name)
		TROPICAL HARDWOOD & VIRGIN REDWOOD BAN	Environment Code ch.8			Specify no tropical hardwoods or virgin redwoods.	•	•	•		PROJECT MANAGER (sign & date)
WATER		INDOOR WATER USE REDUCTION	Environment Code sec.706, CALGreen 5.303.3	BD+C/ID+C: WEp2/WEp1 WEc2/WEc1		Meet flush/flow requirements for: toilets (1.28gpf); urinals (0.125gpf wall, 0.5gpf floor); showerheads (1.8gpm); lavatories (1.2gpm private, 0.5gpm public/common); kitchen faucets (1.8gpm); wash fountains (1.8gpm); metering faucets (0.2gpc); food waste disposers (1gpm/8gpm). Additionally, for projects ≥10,000 sq.ft., use minimum 30% less potable water as calculated using a baseline with toilets (1.6gpf); urinals (1.0gpf); showerheads (2.5gpm); lavatories (2.2gpm private, 0.5gpm public); kitchen faucets (2.2gpm).	LEED WEp2, LEED WEc2 (2 pts)	LEED WEp1 LEED WEc1 (4 pts)	5.303.3		PROJECT MANAGER AGENCY
		NON-POTABLE WATER REUSE	Health Code art.12C	WEc2		New buildings ≥400 sq.ft. must calculate a water budget. New buildings ≥250,000 sq.ft. must treat and use available rainwater, graywater, and foundation drainage for toilet and urinal flushing and irrigation.	•	n/r	n/r		NON-LEED PROJECTS
		WATER-EFFICIENT IRRIGATION	Administrative Code ch.63	WEp1, WEc1		New construction projects with aggregated landscape area ≥500 sq.ft., or existing projects with modified landscape area ≥1,000 sq.ft., shall use low water use plants or climate appropriate plants, restrict turf areas and comply with Model Water Efficient Landscape Ordinance restrictions by calculated ETAF ≤.45 or by prescriptive compliance for projects with ≤2,500 sq.ft. of landscape area.	•	•	•		
		WATER METERING	CALGreen 5.303.1	WEc4		For area of project, provide submeters for spaces projected to consume >1,000gal/day (or >100gal/day in buildings >50,000 sq.ft.).	•	•	•		
ENERGY		ALL-ELECTRIC CONSTRUCTION	Environment Code sec 706(d)(7)			Municipal new construction and major renovation projects which apply for building permit on or after January 1, 2020 must be all-electric. Exceptions when necessary are available for: Processes separate from building systems such as vehicle fueling, existing equipment outside project scope, or fossil fuel-based emergency backup generation.	•	n/r	n/r		Projects <10,000 square feet, receiving a waiver, or not meeting LEED MPR's
		ENERGY PERFORMANCE	Environment Code sec.706, CA Energy Code, SFGBC 5.201	EAp2, EAc2		For projects ≥10,000 sq.ft., produce a whole-building energy simulation, or follow ASHRAE 50% Advanced Design Guide, or follow Advanced Building Core Performance Guide. Achieve energy use below established baseline by 5% for New Construction, 3% for Major Renovations, 2% for Core & Shell, 3% for Commercial Interiors. Commercial Interiors alternate compliance – reduce lighting power density by 5% below ASHRAE 90.1-2010 and install ENERGY STAR equipment for 50% of all eligible ENERGY STAR equipment. In the event a project receives a waiver allowing the use of natural gas in building systems, reduce energy use at least 10% compared to Title 24 2019.	LEED EAp2	LEED EAp2	Comply with Title 24 (2019)		This project is not required to obtain LEED certification because it is <10,000 square feet, does not meet LEED Minimum Program Requirements, and/or received a waiver from Environment Code Chapter 7 from the Director of Department of Environment. An informational LEED scorecard will be submitted to the Municipal Green Building Task Force at 100% concept design and as-built without requirement for further LEED documentation or certification.
		ENERGY TARGET	Environment Code sec.706	EAc2		Set target for annual energy consumption. Reporting required to Municipal Green Building Task Force. See Environment Regulations for guidance, tools and methods.	•	n/r	n/r		PROJECT MANAGER (name)
		ZERO NET ENERGY FEASIBILITY	Environment Code sec.706	EAc2		Determine feasibility to achieve Zero Net Energy (≤3 stories). Reporting required to Municipal Green Building Task Force. See Environment Regulations for guidance, tools and methods.	•	n/r	n/r		
		PV + ENERGY STORAGE BENEFIT/COST ANALYSIS	Environment Code sec.706	EAc2, EAc5		Analyze benefits and costs of solar plus battery storage capable of supplying electrical systems essential to serve the community in event of disaster. Reporting required to Municipal Green Building Task Force. See Environment Regulations for guidance, tools and methods.	•	n/r	n/r		PROJECT MANAGER (sign & date)
		BETTER ROOFS	Planning Code sec.149, SFGBC div.5.2	EAc2 or various		New buildings with ≤10 floors must designate 15% of roof Solar Ready, per Title 24 rules. Install photovoltaics or solar hot water systems in this area. With Planning Department approval, projects subject to SFPUC Stormwater Requirements may substitute living roof for solar energy systems.	•	n/r	if new construction ≥2,000 sq.ft.		
		RENEWABLE ENERGY	SFGBC 5.201.1.3	EAc2, EAc5		New buildings ≥11 floors must acquire renewable onsite energy or achieve 5 points under LEED credit Optimize Energy Performance (EAc2).	•	n/r	n/r		
	COMMISSIONING (Cx)	Environment Code sec.706 OR CALGreen 5.410.2-5.410.4.5.1	EAp1, EAc1		For projects ≥10,000 sq.ft., comply with LEED Cx requirements – OPR, BOD, systems testing, operations manual, and Enhanced and Monitoring-Based Commissioning. For projects <10,000 sq.ft. and all new equipment in alterations & additions, comply with 5.410.2-5.410.4.5.1 – test and adjust all equipment.	LEED EAp1, LEED EAc1 (3+ pts)	LEED EAp1, LEED EAc1 (4+ pts)	5.410.2-5.410.4.5.1			
PARKING		BICYCLE PARKING	Planning Code sec.155.1-3, CAL Green 5.106.4	LtC6		Provide short- and long-term bike parking equal to 5% of motorized vehicle parking, or meet SF Planning Code sec.155.1-3, whichever is greater.	•	•	5.106.4		PROJECT MANAGER AGENCY
		DESIGNATED PARKING	CALGreen 5.106.5.2	LtC7		If >10 total stalls added, comply with Table 5.106.5.2 (approx. 8% of total spaces).	•	•	•		
		WIRING FOR EV CHARGING	SFGBC 5.106.5.3	LtC8		Construct all new off-street parking spaces for passenger vehicles and trucks with dimensions capable of installing EVSE (SFGBC 5.106.5.3). Install service capacity and panelboards sufficient to provide ≥40A 208 or 240V to EV chargers at 20% of spaces. Install ≥40A 208 or 240V branch circuits to ≥10% of spaces, terminating close to the proposed EV charger location. Installation of chargers is not required, but Admin Code 4.10-1 requires 100% of purchases and leases of light duty vehicles for municipal use to be ZEV. Projects with zero off-street parking exempt. See SFGBC 5.106.5.3 for details. Permit applications prior to January 2018: Install electrical systems to provide electricity for EV chargers at 6% of spaces per CalGreen 5.106.5.3.	new construction, or (per SFGBC) major alteration ≥25k sq ft	n/r	if new construction		
RESOURCE RECOVERY		RECYCLING BY OCCUPANTS	Environment Code sec.707	MRp1		Provide adequate space and equal access for storage, collection and loading of compostable, recyclable and landfill materials. To help estimate adequate space for collection by hauler, see supporting materials including a design guide and calculator at: www.sfenvironment.org/refusecalculator.	•	•	•		I have been retained by the project sponsor to review all submittal documents and verify that all approved construction documents and construction fulfill the requirements of the San Francisco Green Building Code. It is my professional opinion that the requirements of the San Francisco Green Building Code will be met. I will notify the Department of Building Inspection if the project will, for any reason, not substantially comply with these requirements, if I am no longer the Green Building Compliance Professional of Record for the project, or if I am otherwise no longer responsible for assuring the compliance of the project with the San Francisco Green Building Code.
		CONSTRUCTION & DEMOLITION (C&D) DISCARDS MANAGEMENT	Environment Code sec.706, 708 & ch.14; SF Building Code ch.13B, CalGreen 5.405.1.1	BD+C/ID+C: MRp2/MRc2 MRc5/MRc6		100% of mixed debris must be taken by a Registered Transporter to a Registered Facility and be processed for recycling. Divert a minimum of 75% of total C&D debris. See www.sfdbi.org for additional information.	LEED MRp2, LEED MRc5	LEED MRp2, LEED MRc6	75% diversion		
HVAC		REFRIGERANT MANAGEMENT	CALGreen 5.508.1	EAp4		Use no halons or CFCs in HVAC.	•	•	•		
GOOD NEIGHBOR		LIGHT POLLUTION REDUCTION	CA Energy Code, CALGreen 5.106.8	SSc6		Comply with CA Energy Code for Lighting Zones 1-4. Comply with 5.106.8 for Backlight/Uplight/Glare.	if new construction	n/r	if new construction		
		BIRD-SAFE BUILDINGS	Planning Code sec.139	pilot credit		Glass facades and bird hazards facing and/or near Urban Bird Refuges may need to treat their glass for opacity.	•	•	•		
		TOBACCO SMOKE CONTROL	Health Code art.19F & art.19I, CALGreen 5.504.7	EQp2		Prohibit smoking within 25 feet of building entries, air intakes, and operable windows.	•	•	•		
		SHADE TREES	CALGreen 5.106.12	SSc5		Plant trees to sufficient to provide shade within 15 years for 20% of landscape and hardscape area, including parking. Exclude shade structures covered by photovoltaics or cool roof materials from total area calculation.	•	n/r	n/r		
POLLUTION PREVENTION		STORMWATER CONTROL PLAN	Public Works Code art.4.2 sec.147	SSc4		Projects disturbing ≥5,000 sq.ft. in combined or separate sewer areas, or replacing ≥2,500 impervious sq.ft. in separate sewer area, must implement a Stormwater Control Plan meeting SFPUC Stormwater Management Requirements.	if applicable	if applicable	if applicable		
		CONSTRUCTION SITE RUNOFF	Public Works Code art.4.2 sec.146	SSp1		Submit a construction site Erosion and Sedimentation Control Plan to SFPUC for approval.	if project disturbs ≥5,000 sq.ft.	if project disturbs ≥5,000 sq.ft.	if project disturbs ≥5,000 sq.ft.		
INDOOR ENVIRONMENTAL QUALITY		ACOUSTICAL CONTROL	CALGreen 5.507.4.1-3	EQc9		Comply with sound transmission limits (STC-50 exteriors near freeways/airports; STC-45 exteriors if 65db Leq at any time; STC-40 interior walls/floor-ceilings between tenants).	•	limited to envelope alterations & additions	•		
		AIR FILTRATION - CONSTRUCTION	CALGreen 5.504.1-3	EQc3		Seal permanent HVAC ducts/equipment stored onsite before installation.	•	•	•		
		AIR FILTRATION - OPERATIONS	CALGreen 5.504.5.3			Provide MERV-13 filters on HVAC for regularly occupied, actively ventilated spaces.	•	•	•		
		ENHANCED IAQ STRATEGIES	Environment Code sec.706	EQc1		Comply with entry, cross-contamination, filtration, natural ventilation, mixed-mode requirements.	LEED EQc1 (1 pt)	LEED EQc1 (1 pt)	n/r		
		CONSTRUCTION IAQ MANAGEMENT PLAN	Environment Code sec.706	EQc3		During construction, meet SMACNA IAQ guidelines; provide MERV-13 filters on all HVAC.	LEED EQc3	LEED EQc3	n/r		
		IAQ ASSESSMENT	Environment Code sec.706	EQc4		Before occupancy, test air quality for particulates, ozone, CO, and all listed VOCs.	LEED EQc4 (2 pts)	LEED EQc4 (2 pts)	n/r		

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