

JAY INSLEE  
Governor



JOHN R. BATISTE  
Chief

STATE OF WASHINGTON  
WASHINGTON STATE PATROL

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November 26, 2014

Ms. Donna Albert, Energy Project Manager  
Department of Enterprise Services  
PO Box 41012  
Olympia WA 98501

Dear Ms. Albert:

Enclosed is the report from the Washington State Patrol (WSP) regarding the Governor's Executive Order 12-06, Achieving Energy Efficiency in State Buildings.

The WSP has 55 facilities identified in the Environmental Protection Agency's Portfolio Manager that meet the definition of a Reporting Public Facility (RPF). A large portion of these 55 facilities reside on campus type settings. These include district headquarters, crime labs and training academies.

Over the last six years, preliminary audits have been completed to all required buildings/campuses. The WSP has also conducted audits at facilities that fall far below the defined thresholds. These sites include weigh stations and detachment offices.

In 2014, energy reduction measures continue to be a priority to the agency. Currently, the WSP completed another HVAC improvement project at our Kennewick Crime Laboratories/detachment building. To date, 81 buildings have received lighting retrofits. This includes every facility that underwent a preliminary audit.

The WSP is working with the Washington State University's Extension Energy Program to update the Portfolio Manager. Currently, utility companies upload this information automatically for 35 of WSP's facilities. The agency is committed to energy efficiency and ensuring our resources are used wisely.

If there are any questions regarding our submission, please contact Captain Scott A. McCoy, Property Management Division. Captain McCoy can be reached at (360) 704-5401.

Sincerely,

A handwritten signature in blue ink that reads "John R. Batiste".

CHIEF JOHN R. BATISTE

JRB:trw

Enclosures

cc: Assistant Chief Michael DePalma, Commercial Vehicle Enforcement Bureau  
Captain Scott A. McCoy, Property Management Division



## Executive Order 12-06 Briefing Paper

- The following briefing is intended to provide a progress report regarding the requirements of EO 12-06 (Achieving Energy Efficiency in State Buildings).
- The Property Management Division (PMD) has completed benchmarking for all buildings/campuses greater than 10,000 square feet. Preliminary energy audits have been completed on all of our 55 identified facilities.
- WSP is reviewing the feasibility of installing utility meters as part of future capital project planning and include where beneficial and cost effective. The initial review indicates that lighting replacements and some heating, ventilation and air conditioning (HVAC) replacements will be the most cost effective conservation measures for WSP buildings.
- At this time, WSP anticipates meeting the 20 percent reduction target by 2020. PMD has been working with DES and Ameresco/Quantum (DES approved energy contractor) since 2005.
- WSP has successfully conducted and implemented the following energy conservation measures:
  - Site illumination at the Fire Training Academy (FTA) (2005-2007 biennium)
  - Energy audits and upgrades to five buildings and two campuses (2007-2011 biennium)
  - HVAC renovations & energy conservation in four detachment offices: Chehalis, Hoquiam, Kelso, and Okanogan (2007-2009 biennium)
  - HVAC control systems replacement at the Marysville and Tacoma headquarter buildings (2007-2009 biennium)
  - Spokane and Wenatchee HVAC renovation and energy conservation projects (2011-2013 biennium)
  - Kennewick Crime Lab and detachment HVAC improvement project (2014)
- Past energy audits have been conducted and resulted in the replacement of lighting, HVAC, and where reasonable, the replacement of roofing with light color roofing products versus dark to reduce heat loads on the facility.
- The South King Detachment Office is the only location that would significantly benefit by replacing the windows with a more energy efficient window.
- We are currently working with the Washington State University Extension Energy program to update the Environmental Protection Agency Portfolio Manager. All energy data is required to be entered into this database. We currently have 35 facilities where data is being loaded from the utility companies on a monthly basis on our behalf. The remaining 20 facilities are being loaded manually. This is due to the fact that these utility companies do not have the capability to load the data into the system.

# Executive Order 12-06 Report

## ACHIEVING ENERGY EFFICIENCY IN STATE BUILDINGS

December 2014

Agency Name:	Washington State Patrol
Agency Point of Contact:	Scott McCoy
Point of Contact Title:	Captain
Telephone Number:	(360) 704-5401
E-mail Address:	<a href="mailto:Scott.McCoy@wsp.wa.gov">Scott.McCoy@wsp.wa.gov</a>

**Describe benchmarking, metering, audits, and energy retrofits completed by the agency in 2014 to meet the requirements of EO 12-06:**

The Washington State Patrol (WSP) has identified 55 buildings in Portfolio Manager that meet the definition of a Reporting Public Facility. Of these 55 buildings, large portions reside on campus settings such as district headquarters, crime labs, or training academies.

To date, the required benchmarking, preliminary audits, and investment grade audits have been completed on all 55 buildings. We have recently made energy improvements to the Kennewick Crime Lab and detachment office, each receiving HVAC upgrades. In addition, the WSP has benchmarked smaller facilities, installed motion sensor lighting where practical, and adjusted HVAC controls at our stand alone crime labs for greater efficiency.

**Describe benchmarking, metering, audits, and energy retrofits that the agency plans to implement in 2015 to meet the requirements of EO 12-06:**

After WSP completed the energy assessments, investment grade audit needs were identified. Based on these findings, funding for the following projects was requested in the 2015-2017 Biennium:

- HVAC upgrade at the Marysville District Office
- HVAC upgrade at the Yakima District Office
- HVAC upgrade at the South Seattle Detachment Office
- Exterior lighting upgrades at eight district offices

**Describe how the agency used Energy Star Portfolio Manager benchmarking in lease negotiations for new or renewed leases in 2014:**

The Department of Enterprise Services (DES) handles all major leases for the WSP, but also delegates a portion to the agency's Budget and Fiscal Services (BFS). DES is currently negotiating two leases and energy efficiencies are a part of our discussion.

**Describe actions that will be taken to save energy through operational changes and continuous monitoring using Portfolio Manager:**

WSP is working with the Washington State University (WSU) Extension Energy program to update the energy information currently in Portfolio Manager. To date, utility companies are loading energy data directly into the system for 35 of our 55 required facilities. At this time last year, no facilities were directly uploaded. We continue to manually enter data for the remaining 20 facilities.

It is our intention to use the data in the Portfolio Manager to aid in the preparation of annual Greenhouse Gas reports. Currently, we use provided calculators to estimate energy usage, but having the Portfolio Manager up to date will allow us to use actual numbers. In addition, having current data allows us to review energy usage and determine areas/facilities in need of improvement.

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**Attachment:**

**A - Agency Progress in Implementing EO 12-06 (by building)**

**Resources:**

**Go to the DES Portfolio Manager webpage for a link to EO 12-06, previous reports, RCWs, EPA resources and training, Step by Step Instructions, and Frequently Asked Questions at**

**<http://www.des.wa.gov/services/facilities/Energy/EnergyStar>**



**FIS OWNED 2014**  
AS OF 10/1/14

Number			Association					Reported Square Feet	No Benchmarking Required	Benchmarking Required	Benchmarking Completed	Energy Data in Portfolio Manager Current	No Preliminary Audit Required	Comprehensive Preliminary Audit Requested	Comprehensive Preliminary Audit Completed	No Cost Effective Energy Conservation Measures Identified	Investment Grade Audit Initiated	Investment Grade Audit Completed	No Cost Effective Projects Identified	Cost Effective Projects Initiated	All Cost Effective Projects Completed	All Required Actions Completed and Current
Agency	Unique Facility Identifier	Agency SAAM Number	Agency Assigned Regional Name	Agency Assigned Regional Number	Agency Common Name	Agency Assigned Number	Agency Assigned Associated Complex, Campus, Regional Center															
WSP	A09156	225	ANACORTES WEIGH STATION	DISTRICT 7	ANACORTES WEIGH STATION	293035	ANACORTES WEIGH STATION	267	X				X									
WSP	A01524	225	ARTIC WEIGH STATION	DISTRICT 8	ARTIC WEIGH STATION	143012	ARTIC WEIGH STATION	140	X				X									
WSP	A07398	225	BELLEVUE - DISTRICT 2 HQ	DISTRICT 2	BELLEVUE - DISTRICT 2 HQ	171007	BELLEVUE - DISTRICT 2 HQ	19046		X	X	X		X	X	X	X	X	X	X	X	X
WSP	A01614	225	BELLEVUE - WAREHOUSE	DISTRICT 2	BELLEVUE - WAREHOUSE	171001	BELLEVUE - WAREHOUSE	23210		X	X	X		X	X		X	X	X	X	X	X
WSP	A10053	225	BELLEVUE EQUIP. SHELTER #1	DISTRICT 2	BELLEVUE EQUIP. SHELTER #1		BELLEVUE EQUIP. SHELTER #1	144		X	X	X		X	X		X	X	X	X	X	X
WSP	A10242	225	BELLEVUE EQUIP. SHELTER #2	DISTRICT 2	BELLEVUE EQUIP. SHELTER #2		BELLEVUE EQUIP. SHELTER #2	384		X	X	X		X	X	X	X	X	X	X	X	X
WSP	A02292	225	BELLEVUE VIN	DISTRICT 2	BELLEVUE VIN		BELLEVUE VIN	1081		X		X		X	X		X	X	X	X	X	X
WSP	A10159	225	BELLINGHAM VIN BUILDING	DISTRICT 7	BELLINGHAM VIN BUILDING		BELLINGHAM VIN BUILDING	2925	X					X	X							
WSP	A07236	225	BOW HILL - TRUCK INSPECTION BUILDING	DISTRICT 7	BOW HILL - TRUCK INSPECTION BUILDING		BOW HILL - TRUCK INSPECTION BUILDING	4086	X				X	X	X							
WSP	A03063	225	BOW HILL POE	DISTRICT 7	BOW HILL POE	373033	BOW HILL POE	2100	X		X		X									
WSP	A07730	225	BRADY WEIGH STATION EASTBOUND	DISTRICT 8	BRADY WEIGH STATION EASTBOUND	143020	BRADY WEIGH STATION EASTBOUND	267	X		X		X									
WSP	A02229	225	BRADY WEIGH STATION WESTBOUND	DISTRICT 8	BRADY WEIGH STATION WESTBOUND	143019	BRADY WEIGH STATION WESTBOUND	267	X				X									
WSP	A09977	225	BREMERTON - DISTRICT 8 HQ	DISTRICT 8	BREMERTON - DISTRICT 8 HQ	181015	BREMERTON - DISTRICT 8 HQ	10108		X	X	X		X	X		X	X	X	X	X	X
WSP		225	BREMERTON - VIN BUILDING	DISTRICT 8	BREMERTON - VIN BUILDING		BREMERTON - VIN BUILDING	759	X				X						X	X	X	X
WSP	A05073	225	BREWSTER WEIGH STATION	DISTRICT 6	BREWSTER WEIGH STATION	243091	BREWSTER WEIGH STATION	168	X		X		X	X	X		X			X		
WSP	A08316	225	BUCKLEY WEIGH STATION	DISTRICT 1	BUCKLEY WEIGH STATION	273018	BUCKLEY WEIGH STATION	140	X		X		X									
WSP	A09006	225	BURLINGTON DETACHMENT	DISTRICT 7	BURLINGTON DETACHMENT	291038	BURLINGTON DETACHMENT	3840	X		X		X									
WSP	A09663	225	BURLINGTON VIN	DISTRICT 7	BURLINGTON VIN		BURLINGTON VIN	1680	X				X									
WSP	A10529	225	CASCADE PARK (VANCOUVER) VIN BUILDING	DISTRICT 5	CASCADE PARK VIN BUILDING		CASCADE PARK VIN BUILDING	2624	X				X	X	X		X			X		
WSP	A01390	225	CHATTAROY WEIGH STATION	DISTRICT 4	CHATTAROY WEIGH STATION	323066	CHATTAROY WEIGH STATION	64	X				X	X	X					X		
WSP	A00639	225	CHEHALIS DETACHMENT	DISTRICT 5	CHEHALIS DETACHMENT	211032	CHEHALIS DETACHMENT	3441	X													
WSP	A02254	225	CHENEY CRIME LAB	FLSB	CHENEY CRIME LAB		CHENEY CRIME LAB	36645		X	X	X		X	X							
WSP	A10498	225	CHENEY CRIME LAB, CASWELL FIRE ARMS RANGE	FLSB	CHENEY CRIME LAB, CASWELL FIRE ARMS RANGE		CHENEY CRIME LAB, CASWELL FIRING RANGE	451	X					X	X							
WSP	A01970	225	CLE ELUM WEIGH STATION EASTBOUND	DISTRICT 6	CLE ELUM WEIGH STATION EASTBOUND	193052	CLE ELUM WEIGH STATION EASTBOUND	178	X		X		X									
WSP	A07250	225	CLE ELUM WEIGH STATION WESTBOUND	DISTRICT 6	CLE ELUM WEIGH STATION WESTBOUND	193053	CLE ELUM WEIGH STATION WESTBOUND	2561	X		X		X									
WSP	A05513	225	CLE ELUM WESTBOUND - TRUCK INSPECTION BUILDING	DISTRICT 6	CLE ELUM WESTBOUND - TRUCK INSPECTION BUILDING		CLE ELUM WESTBOUND - TRUCK INSPECTION BUILDING	5376	X		X		X									
WSP		225	COMBINED TRANSPORTATION CENTER, TACOMA	FLSB	TACOMA CRIME LAB	271006	TACOMA CRIME LAB	7259		X	X			X	X		X	X	X	X	X	X
WSP	A11658	225	COMBINED TRANSPORTATION CENTER, TACOMA	DISTRICT 1	TACOMA - DISTRICT 1 HQ	271006	TACOMA - DISTRICT 1 HQ	25280		X	X			X	X		X	X	X	X	X	X
WSP	A07455	225	DEER PARK WEIGH STATION	DISTRICT 4	DEER PARK WEIGH STATION	323065	DEER PARK WEIGH STATION	168	X													
WSP	A07153	225	ELK PLAIN WEIGH STATION	DISTRICT 1	ELK PLAIN WEIGH STATION	273016	ELK PLAIN WEIGH STATION	168	X		X		X							X	X	X
WSP	A06720	225	ELLENSBURG DETACHMENT	DISTRICT 6	ELLENSBURG DETACHMENT	191023	ELLENSBURG DETACHMENT	4047	X				X									
WSP	A09706	225	EPHRATA DETACHMENT	DISTRICT 6	EPHRATA DETACHMENT	131036	EPHRATA DETACHMENT	3194	X		X			X	X		X	X	X	X	X	X
WSP	A05274	225	EVERETT WEIGH STATION SOUTHBOUND	DISTRICT 7	EVERETT WEIGH STATION SOUTHBOUND	313039	EVERETT WEIGH STATION SOUTHBOUND	448	X		X		X									
WSP	A03120	225	FIRE TRAINING ACADEMY ADMINISTRATION BUILDING	FIRE TRAINING	FIRE TRAINING ACADEMY ADMINISTRATION BUILDING		FIRE TRAINING ACADEMY ADMINISTRATION BUILDING	2310		X		X		X	X							
WSP	A08147	225	FIRE TRAINING ACADEMY ARFF CONTROL BUILDING	FIRE TRAINING	FIRE TRAINING ACADEMY ARFF CONTROL BUILDING		FIRE TRAINING ACADEMY ARFF CONTROL BUILDING	5193		X		X		X	X							
WSP	A03837	225	FIRE TRAINING ACADEMY ARFF TREATMENT BUILDING	FIRE TRAINING	FIRE TRAINING ACADEMY ARFF TREATMENT BUILDING		FIRE TRAINING ACADEMY ARFF TREATMENT BUILDING	1605		X		X		X	X							
WSP	A02964	225	FIRE TRAINING ACADEMY CLASSROOM 1	FIRE TRAINING	FIRE TRAINING ACADEMY CLASSROOM 1		FIRE TRAINING ACADEMY CLASSROOM 1	1170		X		X		X	X							
WSP	A06917	225	FIRE TRAINING ACADEMY CLASSROOM 2	FIRE TRAINING	FIRE TRAINING ACADEMY CLASSROOM 2		FIRE TRAINING ACADEMY CLASSROOM 2	1170		X		X		X	X							
WSP	A07448	225	FIRE TRAINING ACADEMY CLASSROOM 3	FIRE TRAINING	FIRE TRAINING ACADEMY CLASSROOM 3		FIRE TRAINING ACADEMY CLASSROOM 3	1337		X		X		X	X							
WSP	A06521	225	FIRE TRAINING ACADEMY DINING HALL	FIRE TRAINING	FIRE TRAINING ACADEMY DINING HALL		FIRE TRAINING ACADEMY DINING HALL	1337		X		X		X	X							
WSP	A04715	225	FIRE TRAINING ACADEMY DOMESTIC WATER BUILDING	FIRE TRAINING	FIRE TRAINING ACADEMY DOMESTIC WATER BUILDING		FIRE TRAINING ACADEMY DOMESTIC WATER BUILDING	1320		X		X		X	X							
WSP	A10547	225	FIRE TRAINING ACADEMY FLAME PAD STORAGE BUILDING	FIRE TRAINING	FIRE TRAINING ACADEMY FLAME PAD STORAGE BUILDING		FIRE TRAINING ACADEMY FLAME PAD STORAGE BUILDING	913		X		X		X	X							
WSP	A05932	225	FIRE TRAINING ACADEMY FLAME PAD SUPPORT BUILDING	FIRE TRAINING	FIRE TRAINING ACADEMY SUPPORT BUILDING		FIRE TRAINING ACADEMY SUPPORT BUILDING	618	X			X		X	X							
WSP	A00070	225	FIRE TRAINING ACADEMY HAZMAT BUILDING	FIRE TRAINING	FIRE TRAINING ACADEMY HAZMAT BUILDING		FIRE TRAINING ACADEMY HAZMAT BUILDING	9385		X		X		X	X							
WSP	A06179	225	FIRE TRAINING ACADEMY INSTRUCTOR RESOURCE BUILDING	FIRE TRAINING	FIRE TRAINING ACADEMY INSTRUCTOR RESOURCE BUILDING		FIRE TRAINING ACADEMY INSTRUCTOR RESOURCE BUILDING	1639		X		X		X	X							
WSP	A07104	225	FIRE TRAINING ACADEMY MAINTENANCE BUILDING	FIRE TRAINING	FIRE TRAINING ACADEMY MAINTENANCE BUILDING		FIRE TRAINING ACADEMY MAINTENANCE BUILDING	6860		X		X		X	X							
WSP	A06789	225	FIRE TRAINING ACADEMY POLE SUPPORT BUILDING	FIRE TRAINING	FIRE TRAINING ACADEMY POLE SUPPORT BUILDING		FIRE TRAINING ACADEMY POLE SUPPORT BUILDING	2908		X		X		X	X							
WSP	A00858	225	FIRE TRAINING ACADEMY PUMP HOUSE	FIRE TRAINING	FIRE TRAINING ACADEMY PUMP HOUSE		FIRE TRAINING ACADEMY PUMP HOUSE	2240		X		X		X	X							







Number			Association					Reported Square Feet	No Benchmarking Required	Benchmarking Required	Benchmarking Completed	Energy Data in Portfolio Manager Current	No Preliminary Audit Required	Comprehensive Preliminary Audit Requested	Comprehensive Preliminary Audit Completed	No Cost Effective Energy Conservation Measures Identified	Investment Grade Audit Initiated	Investment Grade Audit Completed	No Cost Effective Projects Identified	Cost Effective Projects Initiated	All Cost Effective Projects Completed	All Required Actions Completed and Current
Agency	Unique Facility Identifier	Agency SAAM Number	Agency Assigned Regional Name	Agency Assigned Regional Number	Agency Common Name	Agency Assigned Number	Agency Assigned Associated Complex, Campus, Regional Center															
WSP	A05922	225	WALLA WALLA WEIGH STATION	DISTRICT 3	WALLA WALLA WEIGH STATION	363051	WALLA WALLA WEIGH STATION	267	X		X		X									
WSP	A02130	225	WALLULA WEIGH STATION POE	DISTRICT 3	WALLULA WEIGH STATION POE	373043	WALLULA WEIGH STATION POE	884	X		X		X									
WSP	A03003	225	WENATCHEE - DISTRICT 6 HQ	DISTRICT 6	WENATCHEE - DISTRICT 6 HQ	41011	WENATCHEE - DISTRICT 6 HQ	13000		X	X			X	X	X		X				
WSP	A05825	225	WENATCHEE VIN	DISTRICT 6	WENATCHEE VIN		WENATCHEE VIN	1013	X					X	X		X	X		X		
WSP	A08597	225	WOODLAND WEIGH STATION	DISTRICT 5	WOODLAND WEIGH STATION	98233	WOODLAND WEIGH STATION	64	X				X									
WSP	A05576	225	YAKIMA - DISTRICT 3 HQ	DISTRICT 3	YAKIMA - DISTRICT 3 HQ	391008	YAKIMA - DISTRICT 3 HQ	24276		X	X	X		X	X		X					
WSP	A05114	225	YAKIMA STORAGE BUILDING	DISTRICT 3	YAKIMA STORAGE BUILDING	391008	YAKIMA STORAGE BUILDING	3411		X		X		X	X							