



Certificates in Retirement Subaccount

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SubAccount	State/Province	Compliance Period	Reason	Additional Details	Retirement Types	WREGIS GUID	Generator Plant/Unit Name	County	State	Fuel Type	Vintage Month	Vintage Year	Certificate Serial Numbers	Quantity	AZ	BC	CA	CO	MT	NV	NM	TX	WA	OR	AB	UT	Green-e Energy Eligible	Ecologo Certified	Hydro Certification	SMUD Eligible	eTag Matched	eTag	
Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Lake	OR	Solar	1	2017	232338-1 to 642		No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Lake	OR	Solar	2	2017	236059-1 to 653		No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Lake	OR	Solar	11	2016	226903-1 to 203		No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Lake	OR	Solar	12	2016	228757-1 to 473		No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Lake	OR	Solar	3	2017	239871-1 to 1191		No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Lake	OR	Solar	4	2017	243710-1 to 1409		No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Lake	OR	Solar	4	2017	243710-1410 to 1603		No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Lake	OR	Solar	5	2017	247615-1 to 2471		No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Lake	OR	Solar	6	2017	251435-1 to 2421		No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Elmore	ID	Wind	6	2017	252682-1 to 5938		No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Elmore	ID	Wind	5	2017	248757-1 to 5593		No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Elmore	ID	Wind	4	2017	244946-1 to 6875		No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Elmore	ID	Wind	3	2017	241019-1 to 5323		No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Elmore	ID	Wind	12	2016	229568-1 to 6675		No	No	Yes	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Elmore	ID	Wind	2	2017	237077-1 to 5103		No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Elmore	ID	Wind	1	2017	233282-1 to 5170		No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No

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Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Jefferson	ID	Biogas	8	2016	214453-1 to 622	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Jefferson	ID	Biogas	7	2016	217843-1 to 592	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Jefferson	ID	Biogas	9	2016	217844-1 to 538	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Twin Falls	ID	Wind	12	2016	229274-1 to 4602	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Twin Falls	ID	Wind	12	2016	229273-27 to 2616	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Twin Falls	ID	Biogas	9	2016	216997-1 to 1069	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Twin Falls	ID	Biogas	8	2016	213599-1 to 1020	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Grays Harbor	WA	Wind	10	2016	219852-1 to 1801	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Grays Harbor	WA	Wind	12	2016	229555-790 to 1617	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Grays Harbor	WA	Wind	7	2016	209646-1 to 624	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Grays Harbor	WA	Wind	11	2016	223466-1 to 1747	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Jerome	ID	Biogas	2	2017	235490-146 to 1739	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	Yes	No	No	No	No	No	No	No	No	No

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Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Jerome	ID	Biogas	1	2017	231782-1 to 1906	No	No	No	No	No	No	No	No	No	No	Yes	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Jerome	ID	Biogas	4	2017	243204-1 to 1397	No	No	No	No	No	No	No	No	No	No	Yes	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Jerome	ID	Biogas	12	2016	228201-1 to 1938	No	No	Yes	No	No	No	No	No	No	No	Yes	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Jerome	ID	Biogas	5	2017	247007-1 to 1912	No	No	No	No	No	No	No	No	No	No	Yes	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Jerome	ID	Biogas	6	2017	250818-1 to 1817	No	No	No	No	No	No	No	No	No	No	Yes	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Kootenai	ID	Biogas	6	2017	252888-1 to 1313	No	No	No	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Kootenai	ID	Biogas	5	2017	248963-1 to 1447	No	No	No	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Kootenai	ID	Biogas	12	2016	229756-1 to 809	No	No	No	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Kootenai	ID	Biogas	2	2017	237242-1 to 536	No	No	No	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Kootenai	ID	Biogas	8	2016	213037-1 to 1083	No	No	No	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Kootenai	ID	Biogas	1	2017	233460-1 to 1129	No	No	No	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Kootenai	ID	Biogas	9	2016	216439-1 to 1009	No	No	No	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Kootenai	ID	Biogas	4	2017	245157-1 to 1383	No	No	No	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No	No

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Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Kootenai	ID	Biogas	10	2016	219898-1 to 956		No	No	No	No	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Kootenai	ID	Biogas	11	2016	223511-1 to 683		No	No	No	No	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Kootenai	ID	Biogas	3	2017	241140-1 to 1157		No	No	No	No	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Bonneville	ID	Wind	12	2016	229955-1 to 10000		No	No	Yes	No	No	No	No	No	No	Yes	No	No	Yes	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Bonneville	ID	Wind	12	2016	229955-10001 to 11338		No	No	Yes	No	No	No	No	No	No	Yes	No	No	Yes	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Bonneville	ID	Wind	11	2016	226127-1 to 3420		No	No	Yes	No	No	No	No	No	No	Yes	No	No	Yes	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Bonneville	ID	Wind	8	2016	215751-1 to 256		No	No	Yes	No	No	No	No	No	No	Yes	No	No	Yes	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Twin Falls	ID	Wind	12	2016	227506-829 to 1993		No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Twin Falls	ID	Wind	1	2017	231126-1 to 1941		No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Twin Falls	ID	Wind	2	2017	234811-1 to 2058		No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Twin Falls	ID	Wind	11	2016	226316-445 to 2896		No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Twin Falls	ID	Wind	3	2017	238610-1 to 1995		No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Twin Falls	ID	Wind	6	2017	250132-1 to 2174		No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Twin Falls	ID	Wind	4	2017	242511-1 to 2957		No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No

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Green-e Energy RY2017			Voluntary Green Pricing Program	UGP			Twin Falls	ID	Wind	5	2017	246327-1 to 2221		No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP			Whatcom	WA	Hydroelectric Water	4	2017	245791-1 to 2282		No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP			Whatcom	WA	Hydroelectric Water	3	2017	241909-1 to 1918		No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP			Whatcom	WA	Hydroelectric Water	5	2017	249613-1 to 2288		No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP			Whatcom	WA	Hydroelectric Water	6	2017	253605-1 to 2294		No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP			Whatcom	WA	Hydroelectric Water	2	2017	237731-1 to 103		No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP			Whatcom	WA	Hydroelectric Water	1	2017	233918-1 to 1181		No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP			Whatcom	WA	Hydroelectric Water	12	2016	230240-1 to 1364		No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP			Whatcom	WA	Hydroelectric Water	11	2016	225964-1 to 2266		No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP			Whatcom	WA	Hydroelectric Water	9	2016	218968-1 to 1441		No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP			Whatcom	WA	Hydroelectric Water	10	2016	222424-1 to 1996		No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP			Whatcom	WA	Hydroelectric Water	8	2016	215560-100 to 1997		No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP			Cassia	ID	Wind	1	2017	230400-1 to 2130		No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP			Cassia	ID	Wind	3	2017	238883-1 to 3172		No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP			Cassia	ID	Wind	2	2017	235083-1 to 3098		No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP			Cassia	ID	Wind	6	2017	250400-1 to 2049		No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	

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Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Cassia	ID	Wind	4	2017	242810-1 to 3900	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Cassia	ID	Wind	5	2017	246602-1 to 2672	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Klickitat	WA	Wind	7	2016	209564-12288 to 14622	No	No	Yes	No	No	No	No	No	No	Yes	No	No	Yes	No	No	Yes	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Klickitat	WA	Wind	10	2016	219781-1 to 536	No	No	Yes	No	No	No	No	No	No	Yes	No	No	Yes	No	No	Yes	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Klickitat	WA	Wind	10	2016	219781-537 to 6805	No	No	Yes	No	No	No	No	No	No	Yes	No	No	Yes	No	No	Yes	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Klickitat	WA	Wind	10	2016	219781-6806 to 9140	No	No	Yes	No	No	No	No	No	No	Yes	No	No	Yes	No	No	Yes	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Elmore	ID	Solar	4	2017	245959-1 to 5000	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Ada	ID	Biogas	10	2016	219656-1 to 2048	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Ada	ID	Biogas	9	2016	216167-1 to 1692	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Ada	ID	Biogas	7	2016	209412-1 to 1842	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Ada	ID	Biogas	8	2016	212772-1 to 1743	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Ada	ID	Biogas	11	2016	223282-1 to 1993	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Twin Falls & Elmore	ID	Wind	6	2017	253055-1 to 1391	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Twin Falls & Elmore	ID	Wind	4	2017	245322-1 to 5872	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Twin Falls & Elmore	ID	Wind	5	2017	249111-1 to 8109	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Bonneville	ID	Wind	8	2016	214921-10251 to 10686	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	

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Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Bonneville	ID	Wind	7	2016	211604-8693 to 13258		No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No					
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Bonneville	ID	Wind	8	2016	214921-7405 to 10250		No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No					
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Bonneville	ID	Wind	9	2016	218322-7840 to 11558		No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No				
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Bonneville	ID	Wind	10	2016	221806-12697 to 21254		No	No	Yes	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No			
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Bonneville	ID	Wind	11	2016	225337-9645 to 15164		No	No	Yes	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No			
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Bonneville	ID	Wind	1	2017	231664-1 to 3844		No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No			
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Bonneville	ID	Wind	2	2017	235358-1 to 6679		No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Bonneville	ID	Wind	12	2016	228067-11810 to 13474		No	No	Yes	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Bonneville	ID	Wind	12	2016	228067-13475 to 19488		No	No	Yes	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Bonneville	ID	Wind	3	2017	239164-562 to 5984		No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Ada	ID	Solar	8	2016	215524-1 to 2843		No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Ada	ID	Solar	11	2016	226611-2003 to 4004		No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Ada	ID	Solar	12	2016	230692-1265 to 2528		No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Ada	ID	Solar	11	2016	226611-1 to 1893		No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Ada	ID	Solar	9	2016	218924-1 to 4285		No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Ada	ID	Solar	10	2016	222995-2716 to 5430		No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Ada	ID	Solar	10	2016	222995-1 to 2715		No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Sherman	OR	Wind	1	2017	232811-1348 to 1883		No	No	No	No	Yes	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No

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Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Sherman	OR	Wind	7	2017	256135-11 to 196		No	No	No	No	Yes	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Sherman	OR	Wind	3	2017	240462-17117 to 18842		No	No	No	No	Yes	No	No	No	Yes	Yes	No	No	Yes	No	No	Yes	No	No	No	No	No	No	No		
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Sherman	OR	Wind	2	2017	236603-10453 to 11506		No	No	No	No	Yes	No	No	No	Yes	Yes	No	No	Yes	No	No	Yes	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Sherman	OR	Wind	6	2017	256134-1 to 1923		No	No	No	No	Yes	No	No	No	Yes	Yes	No	No	Yes	No	No	Yes	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Sherman	OR	Wind	4	2017	244294-1 to 2355		No	No	No	No	Yes	No	No	No	Yes	Yes	No	No	Yes	No	No	Yes	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Sherman	OR	Wind	5	2017	248203-1 to 2151		No	No	No	No	Yes	No	No	No	Yes	Yes	No	No	Yes	No	No	Yes	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Sherman	OR	Wind	7	2017	256135-1 to 10		No	No	No	No	Yes	No	No	No	Yes	Yes	No	No	Yes	No	No	Yes	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Baker	OR	Wind	3	2017	239018-1 to 305		No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Baker	OR	Wind	6	2017	250500-1 to 654		No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Baker	OR	Wind	5	2017	246720-1 to 520		No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Baker	OR	Wind	2	2017	235197-1 to 351		No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Baker	OR	Wind	11	2016	225046-1 to 242		No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Baker	OR	Wind	10	2016	221530-1 to 264		No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Baker	OR	Wind	4	2017	242925-1 to 450		No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Baker	OR	Wind	12	2016	227908-1 to 329		No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Baker	OR	Wind	7	2016	211303-1 to 791		No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Baker	OR	Wind	1	2017	231513-1 to 264		No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Baker	OR	Wind	9	2016	218028-1 to 627		No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	

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Green-e Energy RY2017			Voluntary Green Pricing Program	UGP	[REDACTED]	[REDACTED]	Baker	OR	Wind	8	2016	214629-1 to 739	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No			
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP	[REDACTED]	[REDACTED]	Pierce County	WA	Biogas	10	2016	221650-1 to 1250	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No			
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP	[REDACTED]	[REDACTED]	Pierce County	WA	Biogas	6	2017	253295-1 to 1250	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No		
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP	[REDACTED]	[REDACTED]	Pierce County	WA	Biogas	7	2016	211438-1 to 1250	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP	[REDACTED]	[REDACTED]	Pierce County	WA	Biogas	3	2017	241574-1 to 1250	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP	[REDACTED]	[REDACTED]	Columbia	WA	Wind	7	2016	211762-1 to 16194	No	No	Yes	No	No	No	No	No	No	No	Yes	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP	[REDACTED]	[REDACTED]	Columbia	WA	Wind	10	2016	221299-1 to 7063	No	No	Yes	No	No	No	No	No	No	No	Yes	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP	[REDACTED]	[REDACTED]	Columbia	WA	Wind	8	2016	214400-1 to 5826	No	No	Yes	No	No	No	No	No	No	No	Yes	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP	[REDACTED]	[REDACTED]	Malhuer	OR	Geothermal Energy	7	2016	210674-5301 to 5500	No	No	Yes	No	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP	[REDACTED]	[REDACTED]	Malhuer	OR	Geothermal Energy	12	2016	228116-20986 to 21254	No	No	Yes	No	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP	[REDACTED]	[REDACTED]	Malhuer	OR	Geothermal Energy	8	2017	258939-1 to 300	No	No	No	No	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP	[REDACTED]	[REDACTED]	Benton	WA	Wind	12	2016	229263-2636 to 3491	No	No	Yes	No	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP	[REDACTED]	[REDACTED]	Benton	WA	Wind	11	2016	225198-2552 to 3380	No	No	Yes	No	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP	[REDACTED]	[REDACTED]	Benton	WA	Wind	7	2016	211455-1655 to 2191	No	No	Yes	No	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No

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Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Benton	WA	Wind	8	2016	214775-1719 to 2276	558	No	No	Yes	No	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Benton	WA	Wind	9	2016	218177-2173 to 2878	706	No	No	Yes	No	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Benton	WA	Wind	10	2016	221668-2583 to 3421	839	No	No	Yes	No	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Bonneville	ID	Wind	12	2016	228059-7873 to 22526	14,654	No	No	Yes	No	No	No	No	No	No	Yes	No	No	Yes	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Bonneville	ID	Wind	11	2016	226126-1751 to 16617	14,867	No	No	Yes	No	No	No	No	No	No	Yes	No	No	Yes	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Bonneville	ID	Wind	6	2017	250652-2009 to 5635	3,627	No	No	No	No	No	No	No	No	No	Yes	No	No	Yes	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Twin Falls	ID	Wind	5	2017	248758-1 to 3098	3,098	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Twin Falls	ID	Wind	6	2017	252683-1 to 3491	3,491	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Twin Falls	ID	Wind	3	2017	241019-1 to 2891	2,891	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Twin Falls	ID	Wind	2	2017	237128-1 to 2809	2,809	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Twin Falls	ID	Wind	1	2017	233283-1 to 2920	2,920	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Cassia	ID	Geothermal Energy	12	2016	227221-7389 to 7651	263	No	No	No	No	No	No	No	No	No	Yes	No	No	Yes	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Power	ID	Wind	11	2016	224969-12817 to 25974	13,158	No	No	Yes	No	No	No	No	No	No	Yes	No	No	Yes	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Power	ID	Wind	8	2016	214546-8259 to 13854	5,596	No	No	Yes	No	No	No	No	No	No	Yes	No	No	Yes	No	No	No	No	No

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Green-e Energy RY2017			Voluntary Green Pricing Program	UGP			Jerome	ID	Biogas	7	2016	210064-1 to 847	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP			Jerome	ID	Biogas	9	2016	216769-1 to 847	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP			Jerome	ID	Biogas	10	2016	220220-1 to 947	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP			Jerome	ID	Biogas	12	2016	232356-1 to 1016	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP			Jerome	ID	Biogas	11	2016	223813-1 to 1010	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP			Jerome	ID	Biogas	8	2016	213373-1 to 846	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP			Jefferson	ID	Biogas	10	2016	221346-1 to 581	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP			Jefferson	ID	Biogas	11	2016	224876-1 to 539	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP			Jefferson	ID	Biogas	12	2016	229769-1 to 413	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP			Jefferson	ID	Biogas	6	2017	252805-1 to 609	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP			Jefferson	ID	Biogas	5	2017	248874-1 to 665	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP			Twin Falls	ID	Wind	5	2017	248731-1 to 2549	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No

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Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Twin Falls	ID	Wind	6	2017	252660-1 to 2712	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Twin Falls	ID	Wind	1	2017	233320-1 to 2013	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Twin Falls	ID	Wind	11	2016	224458-35 to 921	No	No	Yes	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Twin Falls	ID	Wind	2	2017	237108-1 to 2127	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Twin Falls	ID	Wind	12	2016	229543-1 to 295	No	No	Yes	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Twin Falls	ID	Wind	12	2016	229543-296 to 1216	No	No	Yes	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Twin Falls	ID	Wind	3	2017	240995-1 to 2192	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Klickitat	WA	Wind	2	2017	234679-1 to 686	No	No	No	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Klickitat	WA	Wind	1	2017	230993-1 to 344	No	No	No	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Klickitat	WA	Wind	12	2016	227373-1 to 843	No	No	Yes	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Klickitat	WA	Wind	12	2016	227373-13578 to 17275	No	No	Yes	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Klickitat	WA	Wind	3	2017	238483-1 to 1069	No	No	No	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Klickitat	WA	Wind	9	2016	216221-1 to 960	No	No	Yes	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Klickitat	WA	Wind	11	2016	223330-1 to 812	No	No	Yes	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Klickitat	WA	Wind	7	2016	209475-1 to 1011	No	No	Yes	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program	UGP		Klickitat	WA	Wind	10	2016	219705-1 to 811	No	No	Yes	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No

Certificates in Retirement Subaccount (Continue)

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Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Klickitat	WA	Wind	11	2016	223330-10985 to 11365		No	No	Yes	No	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No
Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Klickitat	WA	Wind	8	2016	212828-1 to 829		No	No	Yes	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Klickitat	WA	Wind	12	2016	227373-11447 to 11798		No	No	Yes	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Klickitat	WA	Wind	6	2017	249996-201 to 884		No	No	No	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No	
Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Klickitat	WA	Wind	5	2017	246170-1 to 687		No	No	No	No	No	No	No	No	Yes	Yes	No	No	Yes	No	No	No	No	
Green-e Energy RY2017			Sold via paper attestation	Retired for Boeing	REC			Kittitas	WA	Wind	7	2016	211789-9441 to 48567		No	No	Yes	No	No	No	No	No	Yes	No	No	Yes	No	No	No	No		
Green-e Energy RY2017			Sold via paper attestation	Retired for Boeing	REC			Kittitas	WA	Wind	7	2016	211789-1 to 4603		No	No	Yes	No	No	No	No	No	Yes	No	No	Yes	No	No	No	No		
Green-e Energy RY2017			Voluntary Green Pricing Program		UGP			Bingham/Bonneville	ID	Wind	10	2016	221639-112 to 5328		No	No	Yes	No	No	No	No	No	Yes	No	No	Yes	No	No	No	No		
														470,775																		