

## TSR Summary

Project Description	Count	Demand	Potential Authorizations	La Pine <sup>1</sup>	Maupin	South of Allston	R2P Fixes	M2W	GASH	Walla Walla Wind	Harney <sup>2</sup>
Potential Authorizations	4 TSRs	229 MW	x								
La Pine	18 TSRs	220 MW		x							
Maupin	2 TSRs	20 MW			x						
South of Allston	3 TSRs	200 MW				x					
R2P Fixes	3 TSRs	168 MW					x				
South of Allston; R2P Fixes	2 TSRs	255 MW				x	x				
M2W; GASH	1 TSRs	50 MW						x	x		
South of Allston; R2P Fixes; M2W	3 TSRs	310 MW				x	x	x			
South of Allston; R2P Fixes; Walla Walla Wind	1 TSRs	25 MW				x	x			x	
South of Allston; R2P Fixes; Harney	8 TSRs	75 MW				x	x				x
South of Allston; R2P Fixes; M2W; GASH	6 TSRs	490 MW				x	x	x	x		
Total	51 TSRs	2,042 MW									
			4 TSRs 229 MW	18 TSRs 220 MW	2 TSRs 20 MW	23 TSRs 1,355 MW	23 TSRs 1,323 MW	10 TSRs 850 MW	7 TSRs 540 MW	1 TSRs 25 MW	8 TSRs 75 MW

<sup>1</sup> See Central Oregon (La Pine) below for more detailed requirements for TSRs involving the La Pine area.

<sup>2</sup> See Central Oregon (Harney) below for more detailed requirements for TSRs involving the Harney area.

## 2016 TSEP -- Project Requirements by Project Grouping

### 2016 TSEP -- Project Requirements by Project Grouping

51 TSRs 2,042 MW

Customer	AREF	Service Type	Start Date	Stop Date	POR	POD	Demand
<b>Potential Authorizations</b>						4 TSRs	229 MW
PacifiCorp	80661523	PTP	2/1/2018	1/1/2027	SICKLER230MIDC	RESTON230	55 MW
PSEM	82996217	PTP	3/1/2024	1/1/2027	TUCNNRV115PSEI <sup>3</sup>	COVNGTN230PSEI	75 MW
PSEM	82996227	PTP	3/1/2024	1/1/2027	CNTRLFRRY230	COVNGTN230PSEI	79 MW
PSEM	82996241	PTP	2/1/2018	1/1/2027	HARVLUM230GEC	PSEI_CENTCNTGS	20 MW
<b>La Pine</b>						18 TSRs	220 MW
NewSun Energy Transmission Company LLC	82879096	PTP	2/1/2019	1/1/2027	LaPine 230	BETHEL230	10 MW
NewSun Energy Transmission Company LLC	82879370	PTP	5/1/2019	1/1/2027	LaPine 230	BETHEL230	10 MW
NewSun Energy Transmission Company LLC	82879379	PTP	6/1/2019	1/1/2027	LaPine 230	BETHEL230	10 MW
NewSun Energy Transmission Company LLC	82879484	PTP	6/1/2019	1/1/2027	LaPine 230	BETHEL230	10 MW
NewSun Energy Transmission Company LLC	82879501	PTP	6/1/2019	1/1/2027	LaPine 230	BETHEL230	10 MW
NewSun Energy Transmission Company LLC	82879715	PTP	6/1/2019	1/1/2027	LaPine 230	BETHEL230	10 MW
NewSun Energy Transmission Company LLC	82879728	PTP	6/1/2019	1/1/2027	LaPine 230	BETHEL230	10 MW
NewSun Energy Transmission Company LLC	82879804	PTP	6/1/2019	1/1/2027	LaPine 230	BETHEL230	10 MW
NewSun Energy Transmission Company LLC	82879825	PTP	6/1/2019	1/1/2027	LaPine 230	BETHEL230	10 MW
NewSun Energy Transmission Company LLC	82918999	PTP	6/1/2019	1/1/2027	LaPine 230	BETHEL230	10 MW
NewSun Energy Transmission Company LLC	82919001	PTP	6/1/2019	1/1/2027	LaPine 230	BETHEL230	10 MW
NewSun Energy Transmission Company LLC	82919010	PTP	6/1/2019	1/1/2027	LaPine 230	BETHEL230	10 MW
NewSun Energy Transmission Company LLC	82919023	PTP	6/1/2019	1/1/2027	LaPine 230	BETHEL230	10 MW
NewSun Energy Transmission Company LLC	82955208	PTP	10/1/2020	1/1/2027	LaPine 230	BETHEL230	40 MW
NewSun Energy Transmission Company LLC	82963917	PTP	4/1/2020	1/1/2027	LaPine 230	BETHEL230	10 MW
NewSun Energy Transmission Company LLC	82963933	PTP	9/1/2020	1/1/2027	LaPine 230	BETHEL230	10 MW
NewSun Energy Transmission Company LLC	82963998	PTP	10/1/2020	1/1/2027	LaPine 230	BETHEL230	10 MW
GreenWing Energy America Corporation	82970057	PTP	9/1/2018	1/1/2027	LaPine 230	BETHEL230	20 MW
<b>Maupin</b>						2 TSRs	20 MW
NewSun Energy Transmission Company LLC	82879391	PTP	2/1/2019	1/1/2027	DeMoss 115	BETHEL230	10 MW
NewSun Energy Transmission Company LLC	82879403	PTP	2/1/2019	1/1/2027	DeMoss 115	BETHEL230	10 MW
<b>South of Allston</b>						3 TSRs	200 MW
PPM Energy, Inc.	83016286	PTP	2/1/2018	1/1/2027	SLATT500	TROUTDL230PAC	50 MW

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PPM Energy, Inc.	83016290	PTP	2/1/2018	1/1/2027	SLATT500	TROUTDL230PAC	50 MW
PPM Energy, Inc.	83016295	PTP	1/1/2017	1/1/2027	SLATT230	TROUTDL230PAC	100 MW
<b>R2P Fixes</b>						3 TSRs	168 MW
PSEM	82996223	PTP	3/1/2024	1/1/2027	TUCNNRV115PSEI <sup>3</sup>	STCLAIR230	75 MW
PSEM	82996232	PTP	3/1/2024	1/1/2027	CNTRLFRRY230	STCLAIR230	75 MW
PSEM	82997493	PTP	2/1/2018	1/1/2027	HARVLUM230GEC	STCLAIR230	18 MW
<b>South of Allston; R2P Fixes</b>						2 TSRs	255 MW
Bonneville Power Administration	82626200	NT	4/1/2023	1/1/2027	GRNDCULEECNTGS	PWRSRVNTMOA	240 MW
PSEM	82996267	PTP	5/1/2017	1/1/2027	LONGVW230MFGL	STCLAIR230	15 MW
<b>M2W; GASH</b>						1 TSRs	50 MW
Horizon Wind Energy LLC	83016447	PTP	12/1/2020	1/1/2027	GARRISON500CLS	MAPLEVY230PSEM	50 MW
<b>South of Allston; R2P Fixes; M2W</b>						3 TSRs	310 MW
Orion Renewable Energy Group LLC	83008254	PTP	6/1/2021	1/1/2027	GARRISON500CLS	PEARL230	100 MW
Orion Renewable Energy Group LLC	83008263	PTP	6/1/2021	1/1/2027	GARRISON500CLS	PEARL230	100 MW
Orion Renewable Energy Group LLC	83008268	PTP	6/1/2021	1/1/2027	GARRISON500CLS	PEARL230	110 MW
<b>South of Allston; R2P Fixes; Walla Walla Wind</b>						1 TSRs	25 MW
Portland General Electric Marketing	81879421	PTP	2/1/2018	1/1/2027	VANSYCLTP69	PEARL230	25 MW
<b>South of Allston; R2P Fixes; Harney</b>						8 TSRs	75 MW
Horizon Wind Energy LLC	82330653	PTP	6/1/2019	1/1/2027	Harney 115	PGE_CNTGS	10 MW
Horizon Wind Energy LLC	82330661	PTP	6/1/2019	1/1/2027	Harney 115	PGE_CNTGS	10 MW
Horizon Wind Energy LLC	82330667	PTP	6/1/2019	1/1/2027	Harney 115	PGE_CNTGS	10 MW
Horizon Wind Energy LLC	82330669	PTP	6/1/2019	1/1/2027	Harney 115	PGE_CNTGS	10 MW
Horizon Wind Energy LLC	82330670	PTP	6/1/2019	1/1/2027	Harney 115	PGE_CNTGS	10 MW
Horizon Wind Energy LLC	82330671	PTP	6/1/2019	1/1/2027	Harney 115	PGE_CNTGS	10 MW
Horizon Wind Energy LLC	82330673	PTP	6/1/2019	1/1/2027	Harney 115	PGE_CNTGS	10 MW
Horizon Wind Energy LLC	82330674	PTP	6/1/2019	1/1/2027	Harney 115	PGE_CNTGS	5 MW
<b>South of Allston; R2P Fixes; M2W; GASH</b>						6 TSRs	490 MW
Orion Renewable Energy Group LLC	83008288	PTP	6/1/2021	1/1/2027	GARRISON500CLS	PEARL230	90 MW
Caithness Energy LLC	83010046	PTP	6/1/2026	1/1/2027	GARRISON230	PEARL230	100 MW
Caithness Energy LLC	83010083	PTP	6/1/2026	1/1/2027	GARRISON230	PEARL230	100 MW

**2016 TSEP -- Project Requirements by Project Grouping**

51 TSRs 2,042 MW

Customer	AREF	Service Type	Start Date	Stop Date	POR	POD	Demand
Caithness Energy LLC	83010162	PTP	6/1/2026	1/1/2027	GARRISON230	PEARL230	50 MW
Horizon Wind Energy LLC	83010711	PTP	12/1/2020	1/1/2027	GARRISON500CLS	BETHEL230	100 MW
Horizon Wind Energy LLC	83014850	PTP	12/1/2020	1/1/2027	GARRISON500CLS	BETHEL230	50 MW

<sup>1</sup> See Central Oregon (La Pine) below for more detailed requirements for TSRs involving the La Pine area.

<sup>2</sup> See Central Oregon (Harney) below for more detailed requirements for TSRs involving the Harney area.

<sup>3</sup> 2016 TSEP results require conforming the POR on the Reservation to CNTRLFRRY230.

## 2016 TSEP -- Project Requirements by Customer

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51 TSRs 2,042 MW

AREF	Service Type	Start Date	Stop Date	POR	POD	Demand	Project Description
<b>Bonneville Power Administration</b>					1 TSRs	240 MW	
82626200	NT	4/1/2023	1/1/2027	GRNDCULEECNTGS	PWRSRVNTMOA	240 MW	South of Allston; R2P Fixes
<b>Caithness Energy LLC</b>					3 TSRs	250 MW	
83010046	PTP	6/1/2026	1/1/2027	GARRISON230	PEARL230	100 MW	South of Allston; R2P Fixes; M2W; GASH
83010083	PTP	6/1/2026	1/1/2027	GARRISON230	PEARL230	100 MW	South of Allston; R2P Fixes; M2W; GASH
83010162	PTP	6/1/2026	1/1/2027	GARRISON230	PEARL230	50 MW	South of Allston; R2P Fixes; M2W; GASH
<b>GreenWing Energy America Corporation</b>					1 TSRs	20 MW	
82970057	PTP	9/1/2018	1/1/2027	LaPine 230	BETHEL230	20 MW	La Pine
<b>Horizon Wind Energy LLC</b>					11 TSRs	275 MW	
82330653	PTP	6/1/2019	1/1/2027	Harney 115	PGE_CNTGS	10 MW	South of Allston; R2P Fixes; Harney
82330661	PTP	6/1/2019	1/1/2027	Harney 115	PGE_CNTGS	10 MW	South of Allston; R2P Fixes; Harney
82330667	PTP	6/1/2019	1/1/2027	Harney 115	PGE_CNTGS	10 MW	South of Allston; R2P Fixes; Harney
82330669	PTP	6/1/2019	1/1/2027	Harney 115	PGE_CNTGS	10 MW	South of Allston; R2P Fixes; Harney
82330670	PTP	6/1/2019	1/1/2027	Harney 115	PGE_CNTGS	10 MW	South of Allston; R2P Fixes; Harney
82330671	PTP	6/1/2019	1/1/2027	Harney 115	PGE_CNTGS	10 MW	South of Allston; R2P Fixes; Harney
82330673	PTP	6/1/2019	1/1/2027	Harney 115	PGE_CNTGS	10 MW	South of Allston; R2P Fixes; Harney
82330674	PTP	6/1/2019	1/1/2027	Harney 115	PGE_CNTGS	5 MW	South of Allston; R2P Fixes; Harney
83010711	PTP	12/1/2020	1/1/2027	GARRISON500CLS	BETHEL230	100 MW	South of Allston; R2P Fixes; M2W; GASH
83014850	PTP	12/1/2020	1/1/2027	GARRISON500CLS	BETHEL230	50 MW	South of Allston; R2P Fixes; M2W; GASH
83016447	PTP	12/1/2020	1/1/2027	GARRISON500CLS	MAPLEVY230PSEM	50 MW	M2W; GASH
<b>NewSun Energy Transmission Company LLC</b>					19 TSRs	220 MW	
82879096	PTP	2/1/2019	1/1/2027	LaPine 230	BETHEL230	10 MW	La Pine
82879370	PTP	5/1/2019	1/1/2027	LaPine 230	BETHEL230	10 MW	La Pine
82879379	PTP	6/1/2019	1/1/2027	LaPine 230	BETHEL230	10 MW	La Pine
82879391	PTP	2/1/2019	1/1/2027	DeMoss 115	BETHEL230	10 MW	Maupin
82879403	PTP	2/1/2019	1/1/2027	DeMoss 115	BETHEL230	10 MW	Maupin
82879484	PTP	6/1/2019	1/1/2027	LaPine 230	BETHEL230	10 MW	La Pine
82879501	PTP	6/1/2019	1/1/2027	LaPine 230	BETHEL230	10 MW	La Pine
82879715	PTP	6/1/2019	1/1/2027	LaPine 230	BETHEL230	10 MW	La Pine

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AREF	Service Type	Start Date	Stop Date	POR	POD	Demand	Project Description
82879728	PTP	6/1/2019	1/1/2027	LaPine 230	BETHEL230	10 MW	La Pine
82879804	PTP	6/1/2019	1/1/2027	LaPine 230	BETHEL230	10 MW	La Pine
82879825	PTP	6/1/2019	1/1/2027	LaPine 230	BETHEL230	10 MW	La Pine
82918999	PTP	6/1/2019	1/1/2027	LaPine 230	BETHEL230	10 MW	La Pine
82919001	PTP	6/1/2019	1/1/2027	LaPine 230	BETHEL230	10 MW	La Pine
82919010	PTP	6/1/2019	1/1/2027	LaPine 230	BETHEL230	10 MW	La Pine
82919023	PTP	6/1/2019	1/1/2027	LaPine 230	BETHEL230	10 MW	La Pine
82955208	PTP	10/1/2020	1/1/2027	LaPine 230	BETHEL230	40 MW	La Pine
82963917	PTP	4/1/2020	1/1/2027	LaPine 230	BETHEL230	10 MW	La Pine
82963933	PTP	9/1/2020	1/1/2027	LaPine 230	BETHEL230	10 MW	La Pine
82963998	PTP	10/1/2020	1/1/2027	LaPine 230	BETHEL230	10 MW	La Pine
<b>Orion Renewable Energy Group LLC</b>					4 TSRs	400 MW	
83008254	PTP	6/1/2021	1/1/2027	GARRISON500CLS	PEARL230	100 MW	South of Allston; R2P Fixes; M2W
83008263	PTP	6/1/2021	1/1/2027	GARRISON500CLS	PEARL230	100 MW	South of Allston; R2P Fixes; M2W
83008268	PTP	6/1/2021	1/1/2027	GARRISON500CLS	PEARL230	110 MW	South of Allston; R2P Fixes; M2W
83008288	PTP	6/1/2021	1/1/2027	GARRISON500CLS	PEARL230	90 MW	South of Allston; R2P Fixes; M2W; GASH
<b>PacifiCorp</b>					1 TSRs	55 MW	
80661523	PTP	2/1/2018	1/1/2027	SICKLER230MIDC	RESTON230	55 MW	Potential Authorizations
<b>Portland General Electric Marketing</b>					1 TSRs	25 MW	
81879421	PTP	2/1/2018	1/1/2027	VANSYCLTP69	PEARL230	25 MW	South of Allston; R2P Fixes; Walla Walla Wind
<b>PPM Energy, Inc.</b>					3 TSRs	200 MW	
83016286	PTP	2/1/2018	1/1/2027	SLATT500	TROUTDL230PAC	50 MW	South of Allston
83016290	PTP	2/1/2018	1/1/2027	SLATT500	TROUTDL230PAC	50 MW	South of Allston
83016295	PTP	1/1/2017	1/1/2027	SLATT230	TROUTDL230PAC	100 MW	South of Allston
<b>PSEM</b>					7 TSRs	357 MW	
82996217	PTP	3/1/2024	1/1/2027	TUCNNRV115PSEI <sup>3</sup>	COVNGTN230PSEI	75 MW	Potential Authorizations
82996223	PTP	3/1/2024	1/1/2027	TUCNNRV115PSEI <sup>3</sup>	STCLAIR230	75 MW	R2P Fixes
82996227	PTP	3/1/2024	1/1/2027	CNTRLFRRY230	COVNGTN230PSEI	79 MW	Potential Authorizations
82996232	PTP	3/1/2024	1/1/2027	CNTRLFRRY230	STCLAIR230	75 MW	R2P Fixes
82996241	PTP	2/1/2018	1/1/2027	HARVLUM230GEC	PSEI_CENTCNTGS	20 MW	Potential Authorizations

**2016 TSEP -- Project Requirements by Customer**

51 TSRs 2,042 MW

AREF	Service Type	Start Date	Stop Date	POR	POD	Demand	Project Description
82996267	PTP	5/1/2017	1/1/2027	LONGVW230MFGL	STCLAIR230	15 MW	South of Allston; R2P Fixes
82997493	PTP	2/1/2018	1/1/2027	HARVLUM230GEC	STCLAIR230	18 MW	R2P Fixes

<sup>1</sup> See Central Oregon (La Pine) below for more detailed requirements for TSRs involving the La Pine area.

<sup>2</sup> See Central Oregon (Harney) below for more detailed requirements for TSRs involving the Harney area.

<sup>3</sup> 2016 TSEP results require conforming the POR on the Reservation to CNTRLFRRY230.