

Exhibit A

NET REQUIREMENTS AND RESOURCES

1. NET REQUIREMENTS

«Customer Name»'s Net Requirement equals its Total Retail Load minus «Customer Name»'s Dedicated Resource amounts listed in sections 2, 3, and 4 of this exhibit. «Customer Name» shall not add resource amounts to reduce its purchase obligations from BPA under section 3.1 of the body of this Agreement except to meet obligations in section 3.5 of the body of this Agreement.

BPA shall annually calculate a forecast of «Customer Name»'s Net Requirement for the upcoming Fiscal Year as follows:

Option 1: Include if SLICE / BLOCK or BLOCK customer does NOT take Shaping Capacity.

1.1 Forecast of Total Retail Load

By September 15, 2011, and by each September 15 thereafter, BPA shall fill in the table below with «Customer Name»'s Total Retail Load forecast (submitted pursuant to section 17.6 of the body of this Agreement) for the upcoming Fiscal Year. BPA shall notify «Customer Name» by July 31 immediately preceding the start of the Fiscal Year if BPA determines «Customer Name»'s submitted forecast is reasonable or not reasonable. If BPA determines «Customer Name»'s submitted forecast is not reasonable, BPA shall fill in the table below with a forecast BPA determines to be reasonable by September 15 immediately preceding the start of the Fiscal Year.

Drafter's Note: The table below will be blank at contract signing.

Annual Forecast of Monthly Total Retail Load													
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total (annual aMW)
Fiscal Year 2012													
Total (MWh)													

Annual Forecast of Monthly Total Retail Load													
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total (annual aMW)
Fiscal Year 2013													
Total (MWh)													
Fiscal Year 2014													
Total (MWh)													
Fiscal Year 2015													
Total (MWh)													
Fiscal Year 2016													
Total (MWh)													
Fiscal Year 2017													
Total (MWh)													
Fiscal Year 2018													
Total (MWh)													
Fiscal Year 2019													
Total (MWh)													
Fiscal Year 2020													
Total (MWh)													
Fiscal Year 2021													
Total (MWh)													
Fiscal Year 2022													
Total (MWh)													
Fiscal Year 2023													
Total (MWh)													
Fiscal Year 2024													
Total (MWh)													
Fiscal Year 2025													
Total (MWh)													
Fiscal Year 2026													
Total (MWh)													
Fiscal Year 2027													
Total (MWh)													
Fiscal Year 2028													
Total (MWh)													
Note: Fill in the table above with megawatt-hours rounded to whole megawatt-hours and annual average megawatts rounded to three decimal places.													

1.2 Forecast of Net Requirements

By September 15, 2011, and by each September 15 thereafter, BPA shall calculate, and fill in the table below with, «Customer Name»’s Net Requirement forecast for the upcoming Fiscal Year. «Customer Name»’s Net

Requirement forecast equals «Customer Name»’s Total Retail Load forecast, shown in section 1.1 above, minus «Customer Name»’s total Dedicated Resource Amounts, shown in section 5 below.

Consistent with section 3 of the body of this Agreement, «Customer Name» shall dedicate additional resource energy amounts to serve any «Customer Name» energy needs above «Customer Name»’s RHW and any PF Tier 2 rate amounts listed in section 2.5 of Exhibit C, Purchase Obligations. «Customer Name» shall also serve any «Customer Name» peak load above the sum of «Customer Name»’s monthly purchase amounts at Tier 1 rates in section 1.3 of Exhibit C, Purchase Obligations, and any purchase amounts at Tier 2 rates in section 2.5 of Exhibit C, Purchase Obligations, with additional resource peak amounts.

Drafter’s Note: The table below will be blank at contract signing.

Annual Forecast of Monthly Net Requirements – Energy (aMW)													
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total (annual aMW)
Fiscal Year 2012													
Total (MWh)													

Annual Forecast of Monthly Net Requirements – Energy (aMW)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total (annual aMW)
Fiscal Year 2013													
Total (MWh)													
Fiscal Year 2014													
Total (MWh)													
Fiscal Year 2015													
Total (MWh)													
Fiscal Year 2016													
Total (MWh)													
Fiscal Year 2017													
Total (MWh)													
Fiscal Year 2018													
Total (MWh)													
Fiscal Year 2019													
Total (MWh)													
Fiscal Year 2020													
Total (MWh)													
Fiscal Year 2021													
Total (MWh)													
Fiscal Year 2022													
Total (MWh)													
Fiscal Year 2023													
Total (MWh)													
Fiscal Year 2024													
Total (MWh)													
Fiscal Year 2025													
Total (MWh)													
Fiscal Year 2026													
Total (MWh)													
Fiscal Year 2027													
Total (MWh)													
Fiscal Year 2028													
Total (MWh)													

Note: Fill in the table above with megawatt-hours rounded to whole megawatt-hours and annual average megawatts rounded to three decimal places.

Reviewer's Note: The concept of the below provision is to develop a method by which BPA can limit deliveries of Slice to amounts equal to a customer's Forecast Peak Net Requirement at times when BPA has no surplus capacity available. BPA believes Load Following and Block products inherently limit deliveries of peaking energy to amounts equal to a customer's peak Net Requirement.

1.3 Forecast of Peak Net Requirement

BPA and «Customer Name» acknowledge that section 5(b)(1) of the Northwest Power Act, P.L. 96-501, contains a provision for determining limitation on the amount of peaking energy a preference customer may purchase from BPA to serve its general requirements. BPA has not adopted a methodology for determining the peaking energy limitation (if any) applicable to the peaking energy sales by BPA under section 5(b)(1) because it has historically had an energy limited system rather than a capacity limited system. BPA and «Customer Name» agree that at any time during the term of this Agreement, BPA may adopt a methodology for calculating and applying the limitation on the amount of peaking energy that can be purchased under this Agreement by «Customer Name» to serve their general requirements pursuant to section 5(b)(1). BPA will employ its rulemaking process for the review, evaluation and adoption of such a methodology, including without limitation a formal public comment process and record of decision. If BPA adopts such a methodology that is applicable to «Customer Name», the methodology so adopted will not be applied to peaking energy sold under this Agreement until one calendar year after the date the record of decision adopting such methodology is issued.

End Option 1

2. LIST OF SPECIFIED RESOURCES

Drafter's Note: List each Specified Resource, in the applicable subsection, using the format shown below in section 2.1(1). Determine the Dedicated Resource amounts for Specified Resources per the updated 5(b)/9(c) Policy (which is currently under review). When using PNCA studies to calculate Dedicated Resource amounts use the most current study released as of August 18, 2008. The most current PNCA study will either be the Modified Regulation for 2008-2009 (released in May 2009) or the Final Regulation for 2008-2009 (release forthcoming).

2.1 Generating Resources

All of «Customer Name»'s Generating Resources dedicated to serve its Total Retail Load are listed below.

Drafter's Note: If «Customer Name» does not have any Generating Resources delete sections 2.1(1)(A),(B), and (C) below and leave only the following text in this section:

No Generating Resources at this time.

(1) «Resource Name»

Drafter's Note: If «Customer Name» has Generating Resources dedicated to its TRL complete the following steps for each resource: insert the resource name as the title for section 2.1(1), add any special

provisions for such resource to section 2.1(1)(A), and fill in the tables in section 2.1(1)(B) and (C). Delete “No Generating Resources at this time” from above.

(A) **Special Provisions**

Drafter’s Note: Include any special provisions here that are applicable to this resource. If none, retain this section and state “None”.

(B) **Resource Profile**

Fuel Type	Date Resource Dedicated to Load	Date of Resource Removal	Percent Dedicated to Load	Nameplate Capability (MW)

Statutory Status		Diurnal Flattening Service?		Dispatchable?		PNCA?		If PNCA, PNCA Updates?	
5b1A	5b1B	Yes	No	Yes	No	Yes	No	Yes	No

Note: Fill in the table above with “X”s.

(C) **Specified Resource Amounts**

Specified Resource Amounts													
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total (annual aMW)
Fiscal Year 2012													
Total (MWh)													
HLH (MWh)													
LLH (MWh)													
Peak (MW)													
Fiscal Year 2013													
Total (MWh)													
HLH (MWh)													
LLH (MWh)													
Peak (MW)													
Fiscal Year 2014													
Total (MWh)													
HLH (MWh)													
LLH (MWh)													
Peak (MW)													

Specified Resource Amounts													
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total (annual aMW)
Fiscal Year 2015													
Total (MWh)													
HLH (MWh)													
LLH (MWh)													
Peak (MW)													
Fiscal Year 2016													
Total (MWh)													
HLH (MWh)													
LLH (MWh)													
Peak (MW)													
Fiscal Year 2017													
Total (MWh)													
HLH (MWh)													
LLH (MWh)													
Peak (MW)													
Fiscal Year 2018													
Total (MWh)													
HLH (MWh)													
LLH (MWh)													
Peak (MW)													
Fiscal Year 2019													
Total (MWh)													
HLH (MWh)													
LLH (MWh)													
Peak (MW)													
Fiscal Year 2020													
Total (MWh)													
HLH (MWh)													
LLH (MWh)													
Peak (MW)													
Fiscal Year 2021													
Total (MWh)													
HLH (MWh)													
LLH (MWh)													
Peak (MW)													

Specified Resource Amounts

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total (annual aMW)
Fiscal Year 2022													
Total (MWh)													
HLH (MWh)													
LLH (MWh)													
Peak (MW)													
Fiscal Year 2023													
Total (MWh)													
HLH (MWh)													
LLH (MWh)													
Peak (MW)													
Fiscal Year 2024													
Total (MWh)													
HLH (MWh)													
LLH (MWh)													
Peak (MW)													
Fiscal Year 2025													
Total (MWh)													
HLH (MWh)													
LLH (MWh)													
Peak (MW)													
Fiscal Year 2026													
Total (MWh)													
HLH (MWh)													
LLH (MWh)													
Peak (MW)													
Fiscal Year 2027													
Total (MWh)													
HLH (MWh)													
LLH (MWh)													
Peak (MW)													
Fiscal Year 2028													
Total (MWh)													
HLH (MWh)													
LLH (MWh)													
Peak (MW)													

Note: Fill in the table above with megawatt-hours rounded to whole megawatt-hours, with megawatts rounded to whole megawatts, and annual average megawatts rounded to three decimal places.

2.2 Contract Resources

All of «Customer Name»’s Contract Resources dedicated to serve its Total Retail Load are listed in tables below.

Drafter’s Note: If «Customer Name» does not have any Contract Resources delete sections 2.2(1) below and leave only the following text in this section:

No Contract Resources at this time.

(1) **«Resource Name»**

Drafter’s Note: If «Customer Name» has Contract Resources dedicated to its TRL list the resources below and complete the following steps for each resource using the format in section 2.1(1): insert the resource name as a title for section 2.2(1), add any special provisions for such resource to section 2.2(1)(A), add a resource profile table to section 2.2(1)(B) using the table format in section 2.1(1)(B), add dedicated resource amounts to section 2.2(1)(C) using the table format in section 2.1(1) (C). Delete “No Contract Resources at this time” from above.

3. UNSPECIFIED RESOURCE AMOUNTS

3.1 Unspecified Resource Amounts Dedicated to Total Retail Load

«Customer Name»’s Unspecified Resource Amounts dedicated to serve its Total Retail Load are listed in the table below.

Drafter’s Note: If «Customer Name» does not have any Unspecified Resource Amounts delete the table below and leave only the following text in this section:

No Unspecified Resource Amounts at this time.

Drafter’s Note: If «Customer Name» has Unspecified Resource Amounts list them in the table below adding additional years as needed. Delete “No Unspecified Resource Amounts” from above.

Unspecified Resource Amounts													
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total (annual aMW)
Fiscal Year 2012													
Total (MWh)													
HLH (MWh)													
LLH (MWh)													

Unspecified Resource Amounts													
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total (annual aMW)
Fiscal Year 2013													
Total (MWh)													
HLH (MWh)													
LLH (MWh)													
Note: Fill in the table above with megawatt-hours rounded to whole megawatt-hours and with annual average megawatts rounded to three decimal places.													

3.2 Unspecified Resource Amounts for 9(c) Export Decrements

Pursuant to section 3.5.2 of the body of this Agreement, BPA shall insert a table below for any decrements due to export of resources in the shape, duration, and amount of the export.

4. DEDICATED RESOURCE AMOUNTS FOR AN NLSL

«Customer Name»’s Dedicated Resource amounts serving an NLSL are listed in the table(s) below.

Drafter’s Note: If «Customer Name» does not have any Dedicated Resource amounts serving an NLSL then leave only the following text in this section:

No Dedicated Resource amounts serving an NLSL at this time.

Drafter’s Note: If «Customer Name» has Unspecified Resource Amounts serving an NLSL list the amounts in a table below using the table format above in section 3.1 and adding additional years as needed. Delete “No Dedicated Resource Amounts serving an NLSL at this time” from above.

Drafter’s Note: If «Customer Name» has Specified Resources serving an NLSL list the resources below and complete the following steps for each resource using the format in section 2.1(1): insert the resource name as a title for section 4(1), add any special provisions for such resource to section 4(1)(A), add a resource profile table to section 4(1)(B) using the table format in section 2.1(1)(B), add Dedicated Resource amounts to section 4(1)(C) using the table format in section 2.1(1)(C). Delete “No Dedicated Resource amounts serving an NLSL at this time” from above.

5. TOTAL DEDICATED RESOURCES AMOUNTS

The amounts in the table below equal the sum of all resource amounts dedicated to «Customer Name»’s Total Retail Load listed above in sections 2, 3, and 4.

Drafter’s Note: If «Customer Name» does not have any Dedicated Resource amounts listed in section 2, 3, or 4 above then leave only the following text in this section:

No Dedicated Resource amounts at this time.

Drafter's Note: If «Customer Name» has any Dedicated Resource amounts listed in section 2, 3, or 4 above insert a table below, using the table format in section 2.1(1)(C), with amounts equal to the sum of all Dedicated Resource amounts listed in section 2, 3, and 4. Delete “No Dedicated Resource amounts at this time from above.

6. LIST OF RESOURCES NOT DEDICATED TO TOTAL RETAIL LOAD

Pursuant to section 3.6 of the body of this Agreement, all of «Customer Name»'s Generating and Contract Resources not dedicated to serve its Total Retail Load that are greater than 200 kilowatts nameplate capability are listed in tables below.

Drafter's Note: If «Customer Name» does not have any resources not dedicated to its TRL then delete sections 6(1), 6(1)(A), and 6(1)(B) and leave only the following text in this section:

No resources at this time.

(1) **«Resource Name»**

Drafter's Note: If «Customer Name» has resources not dedicated to its TRL complete the following steps for each resource: insert the resource name as the title for section 6(1) and fill in the tables in section 6(1)(A) and (B). Delete “No resources at this time” from above.

(A) **Resource Profile**

Fuel Type	Type of Resource		Nameplate Capability (MW)
	Generating Resource	Contract Resource	

(B) **Expected Resource Output**

Expected Output - Energy (aMW)									
Fiscal Year	2012	2013	2014	2015	2016	2017	2018	2019	2020
Annual aMW									
Fiscal Year	2021	2022	2023	2024	2025	2026	2027	2028	
Annual aMW									

Note: Fill in the table above with annual average megawatts rounded to three decimal places.

7. LIST OF CONSUMER-OWNED RESOURCES

7.1 Consumer-Owned Resources Serving Onsite Consumer Load

Pursuant to section 3.7 of the body of this Agreement, all of «Customer Name»'s Consumer-Owned Resources serving Onsite Consumer Load, except any Consumer-Owned Resources serving an NLSL which are listed below in section 7.3 of this Exhibit, are listed in tables below.

Drafter's Note: If «Customer Name» does not have any Consumer-Owned Resources serving Onsite Consumer Load then delete sections 7.1(1), 7.1(1)(A), and 7.1(1)(B) and leave only the following text in this section:

No Consumer-Owned Resources serving Onsite Consumer Load at this time.

(1) **«Resource Name»**

Drafter's Note: If «Customer Name» has Consumer-Owned Resources serving Onsite Consumer Load complete the following steps for each resource: insert the resource name as the title for section 7.1(1) and fill in the tables in section 7.1(1)(A) and (B). Delete "No Consumer-Owned Resources serving Onsite Consumer Load at this time" from above.

(A) **Resource Profile**

Resource Owner	Fuel Type	Nameplate Capability (MW)

(B) **Expected Resource Output**

Expected Output – Energy (aMW)									
Fiscal Year	2012	2013	2014	2015	2016	2017	2018	2019	2020
Annual aMW									
Fiscal Year	2021	2022	2023	2024	2025	2026	2027	2028	
Annual aMW									

Note: Fill in the table above with annual average megawatts rounded to three decimal places.

7.2 **Consumer-Owned Resources Serving Load Other than Onsite Consumer Load**

Pursuant to section 3.7 of the body of this Agreement, all of «Customer Name»'s Consumer-Owned Resources serving load other than Onsite Consumer Load are listed in tables below.

Drafter's Note: If «Customer Name» does not have any Consumer-Owned Resources serving load other than Onsite Consumer Load then delete sections 7.2(1), 7.2(1)(A), and 7.2(1)(B) and leave only the following text in this section:

No Consumer-Owned Resources serving load other than Onsite Consumer Load at this time.

(1) **«Resource Name»**

Drafter's Note: If «Customer Name» has Consumer-Owned Resources serving load other than Onsite Consumer Load complete the following steps for each resource: insert the resource name as the title for section 7.2(1) and fill in the tables in section 7.2(1)(A) and (B). Delete "No

Consumer-Owned Resources serving load other than Onsite Consumer Load at this time” from above.

(A) Resource Profile

Resource Owner	Fuel Type	Nameplate Capability (MW)

(B) Expected Resource Output

Expected Output – Energy (aMW)									
Fiscal Year	2012	2013	2014	2015	2016	2017	2018	2019	2020
Annual aMW									
Fiscal Year	2021	2022	2023	2024	2025	2026	2027	2028	
Annual aMW									
Note: Fill in the table above with annual average megawatts rounded to three decimal places.									

7.3 Consumer-Owned Resources Serving an NLSL

Pursuant to section 24.3.7 of the body of this Agreement, all of «Customer Name»’s Consumer-Owned Resources serving an NLSL are listed in tables below.

Drafter’s Note: If «Customer Name» does not have any Consumer-Owned Resources an NLSL then delete sections 7.3(1), 7.3(1)(A), and 7.3(1)(B) and leave only the following text in this section:

No Consumer-Owned Resources serving an NLSL at this time.

(1) «Resource Name»

Drafter’s Note: If «Customer Name» has Consumer-Owned Resources serving an NLSL complete the following steps for each resource: insert the resource name as the title for section 7.3(1) and fill in the tables in section 7.3(1)(A) and (B). Delete “No Consumer-Owned Resources serving an NLSL at this time” from above.

(A) Resource Profile

Resource Owner	Fuel Type	Nameplate Capability (MW)

(B) **Expected Resource Output**

Expected Output – Energy (aMW)									
Fiscal Year	2012	2013	2014	2015	2016	2017	2018	2019	2020
Annual aMW									
Fiscal Year	2021	2022	2023	2024	2025	2026	2027	2028	
Annual aMW									
Note: Fill in the table above with annual average megawatts rounded to three decimal places.									

8. REVISIONS

BPA shall make adjustments to this exhibit to reflect (1) BPA’s determinations under this Agreement and BPA’s 5(b)/9(c) Policy, and (2) «Customer Name»’s elections regarding the application and use of all resources listed by «Customer Name» to serve its Total Retail Load, as provided under this Agreement.

(PS«X/LOC»- «File Name with Path».DOC) «mm/dd/yy» *{Drafter’s Note: Insert date of finalized contract here}*