

Power Options

For Oregon Customers

2017

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Since Oregon's electric utility restructuring law went into effect in March 2002, large and small business customers have been able to choose an alternative Electricity Service Supplier (ESS). The law is not designed to deregulate utilities – rates continue to be monitored by the Oregon Public Utility Commission (OPUC).

What are my options?

Business customers have the opportunity to choose between regulated cost-based and market-based options, either from Pacific Power or from an ESS. You may select a new energy option or take no action and stay with your existing service.

How do I know whether I am a large or small business?

All programs are not available to all business customer segments.

Small business customers are those non-residential customers who do not incur a demand charge on their monthly electric bill or whose demand is less than 30 kW for 12 out of the last 13 months. Small businesses, outbuildings with separate service and irrigation pumps are included in this category and are usually served under Oregon rate schedules 23 and 41.

Large business customers are generally those with higher electrical usage who have exceeded 30 kW at least twice in the last 13 months. These customers are typically served under Oregon rate schedules 28, 30, 47, 48, 51, 52, 53, 54 or 76R.

What rules are the same as in past years?

- All business customers, regardless of size, will be able to opt out of cost-based service on an annual basis for a term of one year. Opt-out dates are noon on November 15, 2016 to noon on November 22, 2016.
- Transition adjustments will still apply to all opt-out customers. Transition adjustments will be posted on our website at the beginning of the opt-out window at noon on November 15, 2016 to apply to the 12-month term beginning January 1, 2017.
- Opt-out customers can choose Daily Market Flux from Pacific Power or an ESS service.
- **A three-year fixed transition adjustment option is available** for customers on rate schedules 47, 48, 747 or 748 or customers on rate schedules 30 or 730 under a single corporate entity with meters that total at least 2 megawatts billing demand in the last 13 months. Three-year opt-out customers must purchase energy from an ESS. The enrollment window for the three-year option is from noon on November 15, 2016 through December 6, 2016 at noon.
- **A five-year fixed transition adjustment option is available** for customers on rate schedules 47, 48, 747 or 748 or customers on rate schedules 30 or 730 under a single corporate entity with meters that total to at least 2 megawatts billing demand in the

last 13 months. Five-year opt-out customers must purchase energy from an ESS. The enrollment window for the five-year option is the same as the three-year option: from noon on November 15, 2016 through noon on December 6, 2016. The five-year option allows customers to move to permanent direct access. Transition adjustments, including a Consumer Opt-Out Charge, will apply for a period of five years. After five years customers will remain on direct access but will no longer be subject to transition adjustments. If customers choose to return to cost-based service from Pacific Power, they must provide four years' notice. If this notice is provided during the five-year transition period the Consumer Opt-Out Charge will cease to apply after the date of that notice.

- Indicative transition adjustments will be posted on our website on November 8, 2016. These are not the actual transition adjustments, but will provide some information to use as you consider your options. The transition adjustment is calculated through the use of the company's Production Cost Model. The model measures the market value of the energy based on the company's entire system.

Will safety and reliability remain top priorities?

Yes. Pacific Power will continue to maintain the entire system that delivers electricity to your business, including the poles and wires, regardless of whether the power comes from a different supplier. We'll also continue to provide 24-hour customer service, billing and meter reading.

Business customers who opt-out of Pacific Power's Basic Service will have direct access to market-based prices that are subject to the volatility and flexibility of wholesale market prices. Specifically, choices are either Daily Market Flux from Pacific Power or service from an alternative Electricity Service Supplier (ESS). The option of receiving service from an ESS is often called Direct Access.

To participate in a market-based option in 2017, you must decline regulated Basic Service during the opt-out window: noon, November 15 to noon, November 22, 2016. As in previous years, transition adjustments will still apply to all opt-out customers (see "About transition adjustments" on page 7) and a buy-back payment will still be required to return to Basic Service before the end of the 12-month term (see "About the buy-back payment" on page 10).

Things to consider

When deciding which pricing option or ESS is best for your business, take care to evaluate the following:

- Enrollment periods and times involved in making a switch.
- Consequences and risk that can result from choosing a specific option.
How much risk is acceptable?
- How and when you use power, and the transition adjustment amount, so you can better assess your options. Market rates differ based on time segments called on-peak and off-peak hours.
- Overall cost and environmental objectives. Are renewable energy options available through an ESS?

Glossary of terms

Direct Access: Another name for retail competition. Business customers can choose the option of direct access to alternative Electricity Service Suppliers (ESSs).

DASR: Direct Access Service Request

ESS: Electricity Service Supplier; a company that obtains electricity from generation facilities or from the wholesale power market to sell to businesses in Oregon. ESSs schedule and deliver the power through the local utility's poles, wires and distribution system.

Daily Market Flux: This is the market-rate option offered by Pacific Power to business customers in Oregon, sometimes referred to as the "standard offer." Under this option, the electricity price is based on a Weighted Market Value applied to actual market prices reported by a market index for the major market hubs in which the company transacts.

Emergency Default Service: Should your chosen ESS become unable to provide electric service, Pacific Power automatically becomes your default service supplier. Pacific Power delivers Emergency Default Service for up to five days, then enrolls your business into the Daily Market Flux option until a new DASR/ESS Selection Form is received. The Emergency Default Rate is the Daily Market Flux price plus a 25 percent premium.

Rate schedule: Pacific Power customers are billed under different rate structures determined by their electricity usage, as per state-regulated tariffs, called rate schedules.

Electricity demand: The rate at which electricity is delivered, often determined by peak usage and averaged over a designated period, usually expressed in kilowatts.

kW: Kilowatt; a unit of electrical power equal to one thousand watts.

kWh: Kilowatt-hour; a unit of electrical power equivalent to one kilowatt of power used for one hour.

MW: Megawatt; a unit of electrical power equal to one million watts or one thousand kilowatts.

Opt-out: This refers to the act of declining regulated cost-based electricity from Pacific Power and choosing market-rate electricity either from Pacific Power or from an ESS.

Transition adjustment: The forecasted variance between regulated rates and wholesale market value is called a transition adjustment. The result is either an addition or reduction in the monthly statement.

Consumer Opt-Out Charge: An additional transition charge applicable to customers

Getting started

1. Review past electricity bills to determine if you are a small or large business customer and identify the rate schedule that applies to you.
 - Small business customers, served on rate schedules 23 and 41, pay the actual cost of the replacement of their interval meter, required for Daily Market Flux or ESS service.
 - Large business customers (>30 kW) are served under rate schedules 28, 30, 41, 47, 48, 51, 52, 53, 54 or 76R.
2. Estimate when you use electricity, since market-based electricity and transition adjustments are priced for on-peak and off-peak time periods. Generally, Pacific Power does not capture that information for non-direct access customers. Monday to Saturday on-peak hours are 6 a.m. to 10 p.m.; off-peak hours are 10 p.m. to 6 a.m., plus Sundays and holidays.
3. Obtain your transition adjustments from the Pacific Power website – pacificpower.net/directaccess.
4. Obtain the list of certified ESSs from the Oregon Public Utility Commission at www.puc.state.or.us (see also "Choosing an Electricity Service Supplier" on page 5). A list of ESSs registered with Pacific Power is available at pacificpower.net/directaccess.

Important dates

Tuesday, November 8, 2016

Pacific Power will post a set of "indicative" transition adjustments on our website. These are not to be considered final numbers and are estimates based on preliminary information.

Tuesday, November 15, 2016 by 12 p.m.

Transition adjustments will be posted on the Pacific Power website, and the opt-out window opens for Daily Market Flux and ESS service for 2017. Business customers can begin submitting Change of Service Election Declaration forms (CSED) to opt-out.

Tuesday, November 22, 2016 at 12 p.m.

The one-year option opt-out window for 2017 closes.

Tuesday, December 6, 2016 at 12 p.m.

The three-year and five-year options opt-out window for 2017 closes.

Tuesday, December 12, 2016

DASR/ESS Selection Form is due from the ESS to begin service with an ESS on January 1, 2017.

Sunday, January 1, 2017

For customers who opted out of Basic Service, Daily Market Flux and ESS service begins for the elected term.

The enrollment process

Opting out of Basic Service

If you wish to opt out of regulated Basic Service you may do so during the opt-out window – 12 p.m. (noon) November 15 to 12 p.m. (noon) November 22, 2016 – by submitting a Change of Service Election Declaration form (CSED) via fax, mail or online. The CSED must be received by 12 p.m. (noon) on November 22, 2016 to be valid for the one-year option and 12 p.m. (noon) December 6, 2016 for the three- and five-year options.

Fax: 1-800-835-0836

Mail: Pacific Power, P.O. Box 400, Portland, OR 97207

Web: pacificpower.net/directaccess

All customers who opt out during this window do so unconditionally. Customers who opt out will be automatically placed on Daily Market Flux on January 1, 2017 unless they come to an agreement with an ESS and the ESS submits a DASR/ESS Selection Form. Pacific Power requires 13 business days to process a DASR/ESS Selection Form. Daily Flux Price is unpredictable. Historical prices are not an indication for future prices.

Do I need to make a decision?

No. You are not required to select a new option. If you choose to do nothing, you will automatically stay on the service you have now. You must opt out in order to be served by an ESS.

Choosing an Electricity Service Supplier

Responsibilities of the Electricity Service Supplier

- Certified ESSs are responsible for acquiring transmission services for their customers.
- The ESS must either provide scheduling services or contract for them. A scheduling ESS must forecast hourly loads and provide daily schedules to Pacific Power.
- ESSs procure the required electricity needed to meet their customer loads. The Oregon Public Utility Commission (OPUC) must certify every ESS. A list of approved ESSs is posted on the OPUC website at www.puc.state.or.us.

Making the choice

There are a number of questions you should consider before selecting an ESS, including:

- Is the ESS certified with the Oregon Public Utility Commission?
- Does the ESS have an executed service agreement and operating agreement with Pacific Power?
- Is the ESS able to deliver to your community?
- What is the reputation of the ESS?
- What power sources are utilized and what is the environmental impact?
- What are the key terms of the agreement?
- Is the price fixed or varied?
- What is the length of the commitment?
- How are the fees set up?
- What are the conditions of service?

About transition adjustments

If you choose to opt out of regulated Basic Service, transition adjustments will be included on your business' monthly bill. A transition adjustment is the difference between the estimated market value of the electricity that is freed up when the customer chooses to leave Basic Service for Direct Access versus Pacific Power's regulated price. Depending upon this value, the adjustment will be applied to the monthly bill as either a credit or a charge. These transition adjustments will be posted on our website November 15, 2016, at 12 p.m. (noon), for the 12-month enrollment period from January 1, 2017 to December 31, 2017, and for the three-year and five-year opt-out program periods that begin January 1, 2017.

How transition adjustments are calculated

As a regulated utility, Pacific Power is required to reliably supply electricity at a predetermined price to meet our customers' needs. If a customer chooses a market-based price option, the electricity that Pacific Power planned to supply to that customer at a regulated, fixed price potentially becomes available to be sold in the open electricity market at the highest market price, which fluctuates daily.

In order to determine the Weighted Market Value of the energy associated with the departing Direct Access customer, the company performs a pair of system simulations; one scenario with the company serving the Direct Access customer and one scenario with the company not serving the Direct Access customer. The difference between the two scenarios is analyzed to calculate the impact on the company's overall system. The impacts are used to determine the Weighted Market Value of the energy, which when compared to the customer's energy-only tariff schedule, produces the Transition Adjustments.

If the freed-up electricity's forecasted market value is higher than Pacific Power's regulated price, the transition adjustment is a credit. (Because we estimate we could sell it for more on the wholesale electricity market than we could have under regulated service, you benefit from our gain.)

If the forecasted market value is lower than Pacific Power's regulated price, the transition adjustment is a charge. (Because we estimate we couldn't sell it for as much on the wholesale electricity market as we could have under regulated service.)

The transition adjustments are recalculated each year to reflect current market forecasts. One key point to remember is that transition adjustments are determined based on market forecasts calculated November 8, 2016, and posted on our website November 15, 2016, effective January 1 through December 31, 2017. Once the transition adjustments are posted, they will not change for the selected term – either 12-months, three- or five-years. However, market prices are volatile and may not correlate to the forecasted prices.

The five-year opt-out program offers the opportunity to permanently opt out of regulated Basic Service. Customers electing the five-year opt out are subject to transition adjustments, including a rate called the Consumer Opt-Out Charge, for a period of five years and will then no longer be subject to transition adjustments.

How transition adjustments are applied

Since actual prices can vary from our forecast, sometimes significantly, we are providing examples showing the impact on market-based prices. The transition adjustments are predetermined and will not change, regardless of how the market actually performs. The Basic Service rate also is not changed by market performance.

Month 1

	Forecasted Market value	Regulated Basic Service	"Actual" price	Transition adjustment	Daily Market Flux rate
A	\$20.00	\$21.38	\$15.00	+ \$1.47	\$16.47
B	\$20.00	\$21.38	\$20.00	+ \$1.47	\$21.47
C	\$20.00	\$21.38	\$25.00	+ \$1.47	\$26.47

E X A M P L E

In the example above, we forecast the weighted wholesale market value to be \$20 per megawatt-hour. This resulted in a transition adjustment charge of \$1.47 for the example Month 1. The "Actual" price is the hypothetical price of electricity that would be determined by the market.

If the market performs exactly as forecasted, the transition adjustment (which is based on the forecast) brings the Daily Market Flux price close to the regulated Basic Service price – see Row B.

If the "Actual" market price ends up being less than forecasted, the transition adjustment remains predetermined to be a charge of \$1.47. Even though the difference between the market value of the electricity and our regulated price is greater than we forecast, the transition adjustment charge does not increase. The adjusted Daily Market Flux price becomes less than regulated Basic Service – see Row A.

If the "Actual" market price ends up being more than the forecasted price, the transition adjustment remains predetermined to be a charge of \$1.47. Even though the difference between the market value of electricity and our regulated price is less than we forecast, the transition adjustment charge does not decrease or become a credit. The adjusted Daily Market Flux price would be higher than regulated Basic Service – see Row C.

Month 2

	Forecasted Market value	Regulated Basic Service	“Actual” price	Transition adjustment	Daily Market Flux rate
A	\$24.00	\$21.38	\$20.00	– \$2.60	\$17.40
B	\$24.00	\$21.38	\$24.00	– \$2.60	\$21.40
C	\$24.00	\$21.38	\$30.00	– \$2.60	\$27.40

E X A M P L E

In the example above, we forecast the weighted wholesale market value to be \$24 per megawatt-hour. This resulted in a transition adjustment credit of \$2.60 for the example Month 2. The “actual” price is the hypothetical price of electricity that would be determined by the market.

If the market performs exactly as forecasted, the transition adjustment (which is based on the forecast) brings the Daily Market Flux price close to the regulated Basic Service price – see Row B.

If the “actual” market price ends up being less than the forecast, the transition adjustment remains a credit of \$2.60. Even though our regulated price exceeds the market value of the electricity, the transition adjustment credit does not become a charge. The adjusted Daily Market Flux price remains lower than regulated Basic Service and is lower than the “actual” price – see Row A.

If the “actual” market price ends up being more than the forecasted rate, the transition adjustment remains a credit of \$2.60. Though the market value of electricity now exceeds our regulated price by a greater amount than we forecasted, the transition adjustment credit does not increase. The adjusted Daily Market Flux price would be higher than regulated Basic Service, but still lower than the “actual” price – see Row C.

Choosing a Direct Access option, either from Pacific Power or from an ESS, is your choice and participation is voluntary. Wholesale market prices are volatile and may or may not result in lower electricity prices for your business.

NOTE: A high transition adjustment (credit) does not equate to guarantee savings because the market will probably be high, offsetting perceived savings.

About the buy-back payment

If you are a non-residential consumer who has chosen service under Daily Market Flux, or chosen to receive service from an ESS, you may qualify to return to Basic Service after making a request to Pacific Power to receive this service and agreeing to make a buy-back payment. The buy-back payment compensates Pacific Power for the increased cost of serving returning customers due to changes in the market price when the customer left, as compared to the market price used in determining the customer’s applicable transition adjustment. Upon returning to Basic Service, the transition adjustment will also be removed from the customer’s bill.

Customers taking service under the five-year opt-out program must provide four years’ notice to return to regulated Basic Service or Daily Market Flux. If this notice is provided during the five-year transition period the Consumer Opt-Out Charge will cease to apply after the date of that notice.

You can request to return to Basic Service by calling Pacific Power at **1-800-769-3717** before 1 p.m. on business days. The official buy-back payment amount will be stated in writing and faxed to you for agreement within two hours of your phone call. Upon receiving the calculated amount of the buy-back payment from Pacific Power, you will have until 5 p.m. that day to execute the agreement to pay the buy-back payment. The agreement will be executed by faxing a signed agreement to Pacific Power. After agreeing to make a buy-back payment, payment must be made within five business days. Payment must be made by check and delivered to Pacific Power. If payment is not made within this time frame, you will be placed on Pacific Power’s Daily Market Flux.

For more information

Pacific Power

1-800-769-3717

Fax: 1-800-835-0836

pacificpower.net/directaccess

Oregon Public Utility Commission

www.puc.state.or.us

